

SEQUENCE LISTING

<110> Poulter, et al.

<120> UNUSUAL RETROTRANSPOSON FROM THE YEAST CANDIDA ALBICANS

<130> 674521-2001.1

<140> 09/430,590

<141> 1999-10-29

<150> 60/106,342

<151> 1998-10-30

<160> 156

<170> PatentIn version 3.0

<210> 1

<211> 388

<212> DNA

<213> Candida albicans

<300>

<308> AF043301

<309> 1998-07-21

<313> (1)..(388)

<400> 1

tgttcgctat agagagat	ttt cctagccgga atgcacgaca atcctgagac ggaagtcgat	60
cgtcgatgcc catgggtgcgt	ggtgaaaaat tttcttagaa aatttggttct ttccttcaac	120
tgctttttaag aaagagaggt	tcaagtgggt taagtacgac ggtcacaaag attgcggctt	180
atgaggcccg aactgagttg	aaatacaaaa tcaagatata attatatacc ttacttgtcc	240
atattgtttt ataatacatt	cttcagatat ttaaatttct gtgtatcaac ctataaaaca	300
gagatacatt cagtgcattt	agtatactga gtgaactggg acctgtgaca ttcaagataa	360
ctgttttcgcg cacgctggca	gacgaaca	388

<210> 2

<211> 400

<212> DNA

<213> Candida albicans

<300>

<308> Y08494

<309> 1997-08-27

<313> (1)..(400)

<400> 2

cggttaatg tatatttcga	cttgcaggac ctatagaaca gctgtagatg taaacactaa	60
----------------------	---	----

tatgaagaac tgggaaaaca ataacttcta ttctgactct gattctgtat gaaaactaac	120
tgaagaaaag aatataaaaa tataaaatat ataagaagac aaaggagaat ctctgaccct	180
tatatagacc gaaaactaga gtgacgatga accatcagac cagtcaataa ccaactaatt	240
taataatatc aataactcgt ctaacgaggt gtaaacaaaa taccgaaaat agaaatataa	300
ataactcaat gccaaagatgg tgcgcaacca ccaaggtaat aaacaaccaa tagaaccaag	360
aattgtaaat cagacaacga gcaaggctga ttatacaaca	400

<210> 3
 <211> 6426
 <212> DNA
 <213> Candida albicans

<220>
 <221> CDS
 <222> (398)..(1372)
 <223> ORF1 coding sequence for gag

<220>
 <221> CDS
 <222> (1373)..(6103)
 <223> ORF2 - coding sequence for pol

<400> 3	
tggttggtttg tgcactatatt tgtgtcagaa actgatcaat gaaaatgatg gttattatga	60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt	120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt	180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt	240
acacgctcaa tctcaggtaa agaaagttaa tattccatca gattagaagt cgatagtgat	300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt	360
gatagtttcg aagtttgaag gtacagaatt tcacaag atg agt tcc gca aag aat	415
	Met Ser Ser Ala Lys Asn
	1 5
gat gat aac gaa ggg aag gtc atg gaa agt gtt gat caa gct aat gct	463
Asp Asp Asn Glu Gly Lys Val Met Glu Ser Val Asp Gln Ala Asn Ala	
	10 15 20
att agt aag gtg gat gaa cat atc aag gct aga ttc aat atg ctt ttc	511
Ile Ser Lys Val Asp Glu His Ile Lys Ala Arg Phe Asn Met Leu Phe	
	25 30 35
ata aaa ttt aat gac tta cct aag ttg gcc gtc ggt aat cag aaa agc	559
Ile Lys Phe Asn Asp Leu Pro Lys Leu Ala Val Gly Asn Gln Lys Ser	

40	45	50	
gtg gat aaa tgg aat gaa gaa ttt aaa tat ttc cac gtt gct tac ccc Val Asp Lys Trp Asn Glu Glu Phe Lys Tyr Phe His Val Ala Tyr Pro 55 60 65 70			607
gat gtt ttg gaa ttt ttg ctt gac tat aat cct aaa gat aaa ttc aag Asp Val Leu Glu Phe Leu Leu Asp Tyr Asn Pro Lys Asp Lys Phe Lys 75 80 85			655
gtt aaa aag gta gaa ggt att tat ttt act ggt tgg tgt tta caa atg Val Lys Lys Val Glu Gly Ile Tyr Phe Thr Gly Trp Cys Leu Gln Met 90 95 100			703
tgt tta cag tcc att ttt gat agg ttc aga ttg atc atg att tct aag Cys Leu Gln Ser Ile Phe Asp Arg Phe Arg Leu Ile Met Ile Ser Lys 105 110 115			751
cta cca aag cac ttg caa aag gaa gca aac tta atc aaa gct gct tat Leu Pro Lys His Leu Gln Lys Glu Ala Asn Leu Ile Lys Ala Ala Tyr 120 125 130			799
gat gct gtt act aaa tct aaa gat tat acc att act agt aag atc ttg Asp Ala Val Thr Lys Ser Lys Asp Tyr Thr Ile Thr Ser Lys Ile Leu 135 140 145 150			847
ctg aag ttt gta aac gtt gaa cat gag tta gtg gtt tgc tat aac ctt Ser Lys Phe Val Asn Val Glu His Glu Leu Val Val Cys Tyr Asn Leu 155 160 165			895
cca tat ttg ctg cag gtg gaa gag aaa ctt gag gaa ata ctc tac aac Pro Tyr Leu Ser Gln Val Glu Glu Lys Leu Glu Glu Ile Leu Tyr Asn 170 175 180			943
act tca aac gtt gtc gat gag tat gtc cgt agt ctt cca aat ctc ata Thr Ser Asn Val Val Asp Glu Tyr Val Arg Ser Leu Pro Asn Leu Ile 185 190 195			991
ggt caa gtc ttg tac ttc aat cat gtg aag aaa tca gag gct tta agt Gly Gln Val Leu Tyr Phe Asn His Val Lys Lys Ser Glu Ala Leu Ser 200 205 210			1039
ttg ttt ttg aat att cat gcc tca tac tac tca aag tgg att caa gct Leu Phe Leu Asn Ile His Ala Ser Tyr Tyr Ser Lys Trp Ile Gln Ala 215 220 225 230			1087
gac aat gat aca tca gta ctc cca agt tgc tct acc ata gct gaa gaa Asp Asn Asp Thr Ser Val Leu Pro Ser Cys Ser Thr Ile Ala Glu Glu 235 240 245			1135
atg tgt gat cat cct gat tat gct aga ttg gtt gac att cca agc aac Met Cys Asp His Pro Asp Tyr Ala Arg Leu Val Asp Ile Pro Ser Asn 250 255 260			1183
aaa tat gaa ctt aat ctt att gtt agt tta cca gca cca gag aaa cca Lys Tyr Glu Leu Asn Leu Ile Val Ser Leu Pro Ala Pro Glu Lys Pro 265 270 275			1231

aaa gga aaa cca gag gag aac tca ctg gaa caa tct caa aag aag aac Lys Gly Lys Pro Glu Glu Asn Ser Ser Glu Gln Ser Gln Lys Lys Asn 280 285 290	1279
ctg aaa tca aga aag aga aat aag aaa cat cca aaa tca gat aac gat Ser Lys Ser Arg Lys Arg Asn Lys Lys His Pro Lys Ser Asp Asn Asp 295 300 305 310	1327
aaa ggt gaa aaa gaa aaa gaa aaa gaa aaa act tca ctg gaa tga aaa Lys Gly Glu Lys Glu Lys Glu Lys Glu Lys Thr Ser Ser Glu Lys 315 320 325	1375
aca ggt gct gct tct att aat tgt gta atg aat ata cat aat tgc agc Thr Gly Ala Ala Ser Ile Asn Cys Val Met Asn Ile His Asn Cys Ser 330 335 340	1423
aaa acc acg ttt cca gta gaa aat tct cat tct ctt aat gct tct ttg Lys Thr Thr Phe Pro Val Glu Asn Ser His Ser Leu Asn Ala Ser Leu 345 350 355	1471
aac gta atg aat ttt aaa ggt tta agg ttt aac aag tat cta gtg tat Asn Val Met Asn Phe Lys Gly Leu Arg Phe Asn Lys Tyr Leu Val Tyr 360 365 370	1519
gat act ggt gcc aca ata tct gtt gtg aac aat aaa gat ata ttg ctg Asp Thr Gly Ala Thr Ile Ser Val Val Asn Asn Lys Asp Ile Leu Ser 375 380 385	1567
aat gtt aag gac gca aca att gaa gtt tct gtt gct gat ggt gct aca Asn Val Lys Asp Ala Thr Ile Glu Val Ser Val Ala Asp Gly Ala Thr 390 395 400 405	1615
tta gaa gca gat tgt att ggt gat cta att atc aga gtc ggt att gtc Leu Glu Ala Asp Cys Ile Gly Asp Leu Ile Ile Arg Val Gly Ile Val 410 415 420	1663
tcg att acg tta gag aat aca ttg tat tta cca gaa agt tcc ttt aat Ser Ile Thr Leu Glu Asn Thr Leu Tyr Leu Pro Glu Ser Ser Phe Asn 425 430 435	1711
ctt gtg agt ttg aaa caa att gaa gaa cga gga ttt aat gtt ctt att Leu Val Ser Leu Lys Gln Ile Glu Glu Arg Gly Phe Asn Val Leu Ile 440 445 450	1759
act aaa gaa tca gtg att gta ttt aac caa aat gtg gct cct act att Thr Lys Glu Ser Val Ile Val Phe Asn Gln Asn Val Ala Pro Thr Ile 455 460 465	1807
att gct tca agg aag aat gct gct gat ctt tat atg ggt cct caa ttc Ile Ala Ser Arg Lys Asn Ala Ala Asp Leu Tyr Met Gly Pro Gln Phe 470 475 480 485	1855
agt gaa gaa tct tta gaa tgt gat ttt gat tat gat ggt ttg gca gat Ser Glu Glu Ser Leu Glu Cys Asp Phe Asp Tyr Asp Gly Leu Ala Asp 490 495 500	1903

atg ttg tcc aat gct aac caa gat gac aaa gat aaa tca agt atg aat Met Leu Ser Asn Ala Asn Gln Asp Asp Lys Asp Lys Ser Ser Met Asn 505 510 515	1951
gaa atg tca gaa tat caa gaa cat gat tat agt tct cga gca tta ata Glu Met Ser Glu Tyr Gln Glu His Asp Tyr Ser Ser Arg Ala Leu Ile 520 525 530	1999
aat tct ttg acg gag gtt gat gtt tta gat gtt gaa att tcc cca tat Asn Ser Leu Thr Glu Val Asp Val Leu Asp Val Glu Ile Ser Pro Tyr 535 540 545	2047
gga gtt gaa caa ttg cta cca act gga gat aag aac gat att tat aat Gly Val Glu Gln Leu Leu Pro Thr Gly Asp Lys Asn Asp Ile Tyr Asn 550 555 560 565	2095
ttc cat ttg atg tca aat cat atg tcc att gag aaa atc ttg ttg tta Phe His Leu Met Ser Asn His Met Ser Ile Glu Lys Ile Leu Leu Leu 570 575 580	2143
caa aaa tac cag ggt ctc gta ctt cac act tca aaa gag agt ctt caa Gln Lys Tyr Gln Gly Leu Val Leu His Thr Ser Lys Glu Ser Leu Gln 585 590 595	2191
aag att gct gat tgt aag gta tgt cta tta tcg aat gcc aaa cag aga Lys Ile Ala Asp Cys Lys Val Cys Leu Leu Ser Asn Ala Lys Gln Arg 600 605 610	2239
agt cac aat cat cat tca gaa aga aaa gcc tcg aga aga cat gag aga Ser His Asn His His Ser Glu Arg Lys Ala Ser Arg Arg His Glu Arg 615 620 625	2287
ctt cat tgt gat act ctc ggt cca ttt agg tcc gaa aat aac aag tgg Leu His Cys Asp Thr Leu Gly Pro Phe Arg Ser Glu Asn Asn Lys Trp 630 635 640 645	2335
tat tta acg tct gtt ata gat gaa cat acg ggt tac att gaa gga att Tyr Leu Thr Ser Val Ile Asp Glu His Thr Gly Tyr Ile Glu Gly Ile 650 655 660	2383
att act aaa gac aga aag gta aag gat ctc tta att caa cga tta aag Ile Thr Lys Asp Arg Lys Val Lys Asp Leu Leu Ile Gln Arg Leu Lys 665 670 675	2431
atc tgg aat aat cgg ttt aac gat aag gtg gca tac ttc aga agt gat Ile Trp Asn Asn Arg Phe Asn Asp Lys Val Ala Tyr Phe Arg Ser Asp 680 685 690	2479
aat gct cct gag ttc cca caa cct tct gat tta gct gag ttc ggt att Asn Ala Pro Glu Phe Pro Gln Pro Ser Asp Leu Ala Glu Phe Gly Ile 695 700 705	2527
tgg agg gag act ata gcg gca tat ctg cct gag ctt aat ggt ctc gcc Trp Arg Glu Thr Ile Ala Ala Tyr Ser Pro Glu Leu Asn Gly Leu Ala 710 715 720 725	2575
gag gtt gtt aat aaa ttg att tta caa cag att tac agg atc gtt gtg	2623

Glu Val Val Asn Lys Leu Ile Leu Gln Gln Ile Tyr Arg Ile Val Val	
730 735 740	
aca ctt ggt cca caa ata ctc aag ttg att tat tat gtg att caa tat	2671
Thr Leu Gly Pro Gln Ile Leu Lys Leu Ile Tyr Tyr Val Ile Gln Tyr	
745 750 755	
tct att aca atg atc aac cac act cca cgt cgt tca ctc aag gga caa	2719
Ser Ile Thr Met Ile Asn His Thr Pro Arg Arg Ser Leu Lys Gly Gln	
760 765 770	
acc cct tat ggt tgc tat tat caa tta agt gag gga aat ttc tac cgg	2767
Thr Pro Tyr Gly Cys Tyr Tyr Gln Leu Ser Glu Gly Asn Phe Tyr Arg	
775 780 785	
ttt cct ttt gcc atc gat tgt gtc gtt aca ttt agt aat gcc atc gaa	2815
Phe Pro Phe Ala Ile Asp Cys Val Val Thr Phe Ser Asn Ala Ile Glu	
790 795 800 805	
aag aac cgt tac gga gtt aca tca act aaa gga gct cct tca tcg atc	2863
Lys Asn Arg Tyr Gly Val Thr Ser Thr Lys Gly Ala Pro Ser Ser Ile	
810 815 820	
atg ggt gct gtg att ggc tac gct agc gat tgt ttt agt tat tac gtg	2911
Met Gly Ala Val Ile Gly Tyr Ala Ser Asp Cys Phe Ser Tyr Tyr Val	
825 830 835	
ttg cta aaa aat atg cgg tgt gat att atc ctt agc cct aat gtc cgt	2959
Leu Leu Lys Asn Met Arg Cys Asp Ile Ile Leu Ser Pro Asn Val Arg	
840 845 850	
ata ttg cga agc tat gag gtt att aac tcc tat ctc aaa aac tta tcc	3007
Ile Leu Arg Ser Tyr Glu Val Ile Asn Ser Tyr Leu Lys Asn Leu Ser	
855 860 865	
act aca cct atg tca cac att gtt cct atg gct gaa ggt atc cag gga	3055
Thr Thr Pro Met Ser His Ile Val Pro Met Ala Glu Gly Ile Gln Gly	
870 875 880 885	
agg caa ctg ggc gct cag tac gag gta cgc gga aca tat gtg gaa agt	3103
Arg Gln Ser Gly Ala Gln Tyr Glu Val Arg Gly Thr Tyr Val Glu Ser	
890 895 900	
gaa tat gac aat aca aat gac gtg atg cac atg ccc aaa gag tca tat	3151
Glu Tyr Asp Asn Thr Asn Asp Val Met His Met Pro Lys Glu Ser Tyr	
905 910 915	
tca gtt cag cca gca tcg ttt act tta act acg ggt aac agt tct aac	3199
Ser Val Gln Pro Ala Ser Phe Thr Leu Thr Thr Gly Asn Ser Ser Asn	
920 925 930	
gaa tat gtt ata aat gat gat cca gta cag att acc att gag aat ccc	3247
Glu Tyr Val Ile Asn Asp Asp Pro Val Gln Ile Thr Ile Glu Asn Pro	
935 940 945	
gat gat ttt tct aac cct ctt caa cta act gaa gaa tca cac gat atg	3295
Asp Asp Phe Ser Asn Pro Leu Gln Leu Thr Glu Glu Ser His Asp Met	

950	955	960	965	
gta tcc gaa gta aaa tcg gat gag aat cct aaa ccc agt ctc cac gag Val Ser Glu Val Lys Ser Asp Glu Asn Pro Lys Pro Ser Leu His Glu 970 975 980				3343
cta aca cct ggg gat aat ccg gtg tct aaa cct cct caa ctt ggt acc Leu Thr Pro Gly Asp Asn Pro Val Ser Lys Pro Pro Gln Leu Gly Thr 985 990 995				3391
gag act tca gta ata ggg aag tct aaa gag cct att aca aac cac Glu Thr Ser Val Ile Gly Lys Ser Lys Glu Pro Ile Thr Asn His 1000 1005 1010				3436
aca aag gac gcc cct tcc atc cag ggg agg gac cat aaa cgc ctg Thr Lys Asp Ala Pro Ser Ile Gln Gly Arg Asp His Lys Arg Ser 1015 1020 1025				3481
gaa tct act gct cag gtt gga cta tca cac caa ccc cag act ggt Glu Ser Thr Ala Gln Val Gly Leu Ser His Gln Pro Gln Thr Gly 1030 1035 1040				3526
act ccc gct tcg gag gag tca aaa ttg tca gga aca gat cat ttc Thr Pro Ala Ser Glu Glu Ser Lys Leu Ser Gly Thr Asp His Phe 1045 1050 1055				3571
ggt gtc gac gtt gtt aaa gaa aca gtc tca gaa gat tgg cat act Gly Val Asp Val Val Lys Glu Thr Val Ser Glu Asp Trp His Thr 1060 1065 1070				3616
tct gac tac cca gaa act agt gct gaa gat gaa cag caa aat ccc Ser Asp Tyr Pro Glu Thr Ser Ala Glu Asp Glu Gln Gln Asn Pro 1075 1080 1085				3661
tcg tta ctg gct aat aag aat cgg gta act gaa aaa ata gat gag Ser Leu Ser Ala Asn Lys Asn Arg Val Thr Glu Lys Ile Asp Glu 1090 1095 1100				3706
gga gaa aat att tca ttt ccg ggg ggt gat gat gat tct gtc gtg Gly Glu Asn Ile Ser Phe Pro Gly Gly Asp Asp Asp Ser Val Val 1105 1110 1115				3751
atc aac tca aat gtt gag caa tct aat gtt gaa aca gag gat gct Ile Asn Ser Asn Val Glu Gln Ser Asn Val Glu Thr Glu Asp Ala 1120 1125 1130				3796
ggt aac agt cca att caa gac gaa gtt tct caa gag gga aga ata Gly Asn Ser Pro Ile Gln Asp Glu Val Ser Gln Glu Gly Arg Ile 1135 1140 1145				3841
ctt aat gaa caa act gat ata gtt gat act gtt gct aaa gtt att Leu Asn Glu Gln Thr Asp Ile Val Asp Thr Val Ala Lys Val Ile 1150 1155 1160				3886
gag aat gaa aaa atc tct cct att aat tca tta gat gat cat act Glu Asn Glu Lys Ile Ser Pro Ile Asn Ser Leu Asp Asp His Thr 1165 1170 1175				3931

gaa ctt gct	aca gac tcg gga aat	gat agc aat tca aca	gaa tcc	3976
Glu Leu Ala	Thr Asp Ser Gly Asn	Asp Ser Asn Ser Thr	Glu Ser	
1180	1185	1190		
gac att caa	tcg aaa aat gaa ata	tca cca gtg att aat	gag aaa	4021
Asp Ile Gln	Ser Lys Asn Glu Ile	Ser Pro Val Ile Asn	Glu Lys	
1195	1200	1205		
aat act gaa	ata atc caa aaa cac	att gaa agt atc ctt	gct gat	4066
Asn Thr Glu	Ile Ile Gln Lys His	Ile Glu Ser Ile Leu	Ala Asp	
1210	1215	1220		
aag aga ttg	gat gaa ttt gaa acg	tat aat gtt gat gaa	att gag	4111
Lys Arg Leu	Asp Glu Phe Glu Thr	Tyr Asn Val Asp Glu	Ile Glu	
1225	1230	1235		
aat gtg att	aat gac gat gac att	gct gaa gct aat cca	cta cca	4156
Asn Val Ile	Asn Asp Asp Asp Ile	Ala Glu Ala Asn Pro	Leu Pro	
1240	1245	1250		
gat gaa aat	aat gat gtt cag atg	aat gag agt ttt gat	aat aat	4201
Asp Glu Asn	Asn Asp Val Gln Met	Asn Glu Ser Phe Asp	Asn Asn	
1255	1260	1265		
cat agc atg	tca cga gca aag aag	aaa tac aca ttt gag	aaa gaa	4246
His Ser Met	Ser Arg Ala Lys Lys	Lys Tyr Thr Phe Glu	Lys Glu	
1270	1275	1280		
gtt aac gaa	aaa att gct ggt act	aaa cat tca ctt gat	aca act	4291
Val Asn Glu	Lys Ile Ala Gly Thr	Lys His Ser Leu Asp	Thr Thr	
1285	1290	1295		
gat cca aga	gaa gca atc aga gtg	tta aat act ggt gaa	acc aag	4336
Asp Pro Arg	Glu Ala Ile Arg Val	Leu Asn Thr Gly Glu	Thr Lys	
1300	1305	1310		
aga atc gaa	ccc aag aaa aga gag	gtg cct atc act gtg	aaa tta	4381
Arg Ile Glu	Pro Lys Lys Arg Glu	Val Pro Ile Thr Val	Lys Leu	
1315	1320	1325		
aac aaa aga	tcg caa tac aag tca	cca tat gtt aca aga	agt ggt	4426
Asn Lys Arg	Ser Gln Tyr Lys Ser	Pro Tyr Val Thr Arg	Ser Gly	
1330	1335	1340		
aga acg gtt	ata aac ccc aag agg	tat tta cat gcg gtc	gtc aac	4471
Arg Thr Val	Ile Asn Pro Lys Arg	Tyr Leu His Ala Val	Val Asn	
1345	1350	1355		
aaa atc gac	tat aat gat ccg gga	tgg ata aag tca atg	aat gct	4516
Lys Ile Asp	Tyr Asn Asp Pro Gly	Trp Ile Lys Ser Met	Asn Ala	
1360	1365	1370		
gaa cta gag	aaa ttt aga tca aaa	gat gtt tac gaa gaa	gtt cca	4561
Glu Leu Glu	Lys Phe Arg Ser Lys	Asp Val Tyr Glu Glu	Val Pro	
1375	1380	1385		

att ccc acc ggt gtg aag cct ata tct atg ggt tgg gta cat act Ile Pro Thr Gly Val Lys Pro Ile Ser Met Gly Trp Val His Thr 1390 1395 1400	4606
gag aaa att gat tct ctc aaa ggt gtt gtt cgg aaa tca cgt tgt Glu Lys Ile Asp Ser Leu Lys Gly Val Val Arg Lys Ser Arg Cys 1405 1410 1415	4651
gtt gtc cat ggc aac aga caa aag gaa aaa ttg gat tat gac cct Val Val His Gly Asn Arg Gln Lys Glu Lys Leu Asp Tyr Asp Pro 1420 1425 1430	4696
ttt agt gtt agt tca cct gtt ata gat ctt gtg act ata aga tta Phe Ser Val Ser Ser Pro Val Ile Asp Leu Val Thr Ile Arg Leu 1435 1440 1445	4741
ttg aca ata ata ggt tgt gaa tta gga atg aca att caa cat tta Leu Thr Ile Ile Gly Cys Glu Leu Gly Met Thr Ile Gln His Leu 1450 1455 1460	4786
gac gtc gag tcg gcg tat cta aat gcc tct att act cat tca aat Asp Val Glu Ser Ala Tyr Leu Asn Ala Ser Ile Thr His Ser Asn 1465 1470 1475	4831
cca att tat gtc ttt cct cct aaa tca gta cct ttg aag aaa aac Pro Ile Tyr Val Phe Pro Pro Lys Ser Val Pro Leu Lys Lys Asn 1480 1485 1490	4876
cat tgt tgg tta ttg aaa cgt tct gtc tat ggg tta aaa cag tcg His Cys Trp Leu Leu Lys Arg Ser Val Tyr Gly Leu Lys Gln Ser 1495 1500 1505	4921
ggt ttg gaa tgg tat cac act atc aaa aga gta ttg gaa gac att Gly Leu Glu Trp Tyr His Thr Ile Lys Arg Val Leu Glu Asp Ile 1510 1515 1520	4966
ggt ttt act caa gtt tta cac aat gat ggt tta ttt cac att gaa Gly Phe Thr Gln Val Leu His Asn Asp Gly Leu Phe His Ile Glu 1525 1530 1535	5011
tat gaa gag gga tca gta ata tat tta ggt tta tat gtt gat gat Tyr Glu Glu Gly Ser Val Ile Tyr Leu Gly Leu Tyr Val Asp Asp 1540 1545 1550	5056
att ctt atg gtt gga agt tca caa aaa gtt att gat aat ttt gtg Ile Leu Met Val Gly Ser Ser Gln Lys Val Ile Asp Asn Phe Val 1555 1560 1565	5101
gat caa ttg aga gat cat ttt gaa gtt aaa gtg ttt ggt gaa ata Asp Gln Leu Arg Asp His Phe Glu Val Lys Val Phe Gly Glu Ile 1570 1575 1580	5146
tca aat tat ctt ggt att gaa ttt cgt aaa acc gaa tct ggt tat Ser Asn Tyr Leu Gly Ile Glu Phe Arg Lys Thr Glu Ser Gly Tyr 1585 1590 1595	5191
att tta tct caa gaa aaa ttt ctc aag aaa tta ctt aag gat ttc	5236

Ile Leu Ser	Gln Glu Lys Phe Leu	Lys Lys Leu Leu Lys	Asp Phe	
1600	1605	1610		
aaa cta gat	gac tca tat ggg aaa	aac ata ccc tgg att	ccg aat	5281
Lys Leu Asp	Asp Ser Tyr Gly Lys	Asn Ile Pro Trp Ile	Pro Asn	
1615	1620	1625		
gac aaa tat	gaa aag gtt gca ata	att cgt gaa aac gtt	aat cca	5326
Asp Lys Tyr	Glu Lys Val Ala Ile	Ile Arg Glu Asn Val	Asn Pro	
1630	1635	1640		
gag aat gat	ttt gaa aag gtt ccg	aat gag aca ttg ctt	gac cct	5371
Glu Asn Asp	Phe Glu Lys Val Pro	Asn Glu Thr Leu Leu	Asp Pro	
1645	1650	1655		
gat gct aaa	aaa cta tac caa agt	ggg gtt ggc ctg ctt	tta tgg	5416
Asp Ala Lys	Lys Leu Tyr Gln Ser	Gly Val Gly Ser Leu	Leu Trp	
1660	1665	1670		
gct gcc aca	aac aca cgt cca gat	ata tcg gtc gta gtg	aat tcg	5461
Ala Ala Thr	Asn Thr Arg Pro Asp	Ile Ser Val Val Val	Asn Ser	
1675	1680	1685		
ttg ggt tct	aaa tct gca aat cca	aat gtc cat gat tat	gag aaa	5506
Leu Gly Ser	Lys Ser Ala Asn Pro	Asn Val His Asp Tyr	Glu Lys	
1690	1695	1700		
ttg att tat	tgt ctt agg tat atc	aaa aat agc atg gga	tat cac	5551
Leu Ile Tyr	Cys Leu Arg Tyr Ile	Lys Asn Ser Met Gly	Tyr His	
1705	1710	1715		
att gag tac	aaa aga aac aga ttg	aat ata cca cca aaa	tca ttt	5596
Ile Glu Tyr	Lys Arg Asn Arg Leu	Asn Ile Pro Pro Lys	Ser Phe	
1720	1725	1730		
gtt atc gaa	tgt ttc agt gat gcg	tca ttt gca cca gga	ttg gat	5641
Val Ile Glu	Cys Phe Ser Asp Ala	Ser Phe Ala Pro Gly	Leu Asp	
1735	1740	1745		
aga aaa tct	att agt gga act ttg	att tat gtg aat gga	aat ttg	5686
Arg Lys Ser	Ile Ser Gly Thr Leu	Ile Tyr Val Asn Gly	Asn Leu	
1750	1755	1760		
gtg caa tgg	gcg acc aaa aaa caa	acg gtc ata gca caa	agc tca	5731
Val Gln Trp	Ala Thr Lys Lys Gln	Thr Val Ile Ala Gln	Ser Ser	
1765	1770	1775		
gca gct tgt	gaa atg ttg gct cta	aat tat aca atg ttg	aaa gct	5776
Ala Ala Cys	Glu Met Leu Ala Leu	Asn Tyr Thr Met Leu	Lys Ala	
1780	1785	1790		
atc gaa ata	aaa aac cat tta atg	gat ttg ggt ttt gaa	gta ggt	5821
Ile Glu Ile	Lys Asn His Leu Met	Asp Leu Gly Phe Glu	Val Gly	
1795	1800	1805		
aag ata cat	tgt cat caa gac aac	caa gct gtg att aaa	gtt ttg	5866
Lys Ile His	Cys His Gln Asp Asn	Gln Ala Val Ile Lys	Val Leu	

1810	1815	1820	
aga aat aac tat tgt cac cca cat	cga cca ata gat atc tgc tat	5911	
Arg Asn Asn Tyr Cys His Pro His	Arg Pro Ile Asp Ile Cys Tyr		
1825	1830	1835	
aag ttt cta cgc caa ttg atc aat	gat aaa gta ttt tca ata tcc	5956	
Lys Phe Leu Arg Gln Leu Ile Asn	Asp Lys Val Phe Ser Ile Ser		
1840	1845	1850	
tat gtg aag aca aat gat aat tac	gcc gat tgt atg act aag tgt	6001	
Tyr Val Lys Thr Asn Asp Asn Tyr	Ala Asp Cys Met Thr Lys Cys		
1855	1860	1865	
cta agt cgt gct aaa ttc aaa gca	ttc gtt gag ggt atg ata aaa	6046	
Leu Ser Arg Ala Lys Phe Lys Ala	Phe Val Glu Gly Met Ile Lys		
1870	1875	1880	
cgg tta gac cta gaa gat aat caa	aca ctg ata caa aat gca ata	6091	
Arg Leu Asp Leu Glu Asp Asn Gln	Thr Ser Ile Gln Asn Ala Ile		
1885	1890	1895	
acg gca gaa taa gtggatttat cattactatt	atcgtaatgc tcaatcaggg	6143	
Thr Ala Glu			
1900			
gagtgttggt ttgtgcacta ttttgtgtca gaaactgatc aatgaaaatg atggttatta			6203
tgagaatgga aaatttttcc atcacacatc aggtgatgac agaactaaac tatattgtgt			6263
agtataaata aggggtatgaa ataccaacat cccagaatat caacgagata gaagggagga			6323
gtttcaatat atatcttgtg aataataact tcgttctaatt tcactataca caactagacg			6383
tgtacacgct caatctcagg taaagaaagt ttatattcca tca			6426
<210> 4			
<211> 324			
<212> PRT			
<213> Candida albicans			
<400> 4			
Met Ser Ser Ala Lys Asn Asp Asp Asn Glu Gly Lys Val Met Glu Ser			
1	5	10	15
Val Asp Gln Ala Asn Ala Ile Ser Lys Val Asp Glu His Ile Lys Ala			
20	25	30	
Arg Phe Asn Met Leu Phe Ile Lys Phe Asn Asp Leu Pro Lys Leu Ala			
35	40	45	
Val Gly Asn Gln Lys Ser Val Asp Lys Trp Asn Glu Glu Phe Lys Tyr			

50

55

60

Phe His Val Ala Tyr Pro Asp Val Leu Glu Phe Leu Leu Asp Tyr Asn
65 70 75 80

Pro Lys Asp Lys Phe Lys Val Lys Lys Val Glu Gly Ile Tyr Phe Thr
85 90 95

Gly Trp Cys Leu Gln Met Cys Leu Gln Ser Ile Phe Asp Arg Phe Arg
100 105 110

Leu Ile Met Ile Ser Lys Leu Pro Lys His Leu Gln Lys Glu Ala Asn
115 120 125

Leu Ile Lys Ala Ala Tyr Asp Ala Val Thr Lys Ser Lys Asp Tyr Thr
130 135 140

Ile Thr Ser Lys Ile Leu Ser Lys Phe Val Asn Val Glu His Glu Leu
145 150 155 160

Val Val Cys Tyr Asn Leu Pro Tyr Leu Ser Gln Val Glu Glu Lys Leu
165 170 175

Glu Glu Ile Leu Tyr Asn Thr Ser Asn Val Val Asp Glu Tyr Val Arg
180 185 190

Ser Leu Pro Asn Leu Ile Gly Gln Val Leu Tyr Phe Asn His Val Lys
195 200 205

Lys Ser Glu Ala Leu Ser Leu Phe Leu Asn Ile His Ala Ser Tyr Tyr
210 215 220

Ser Lys Trp Ile Gln Ala Asp Asn Asp Thr Ser Val Leu Pro Ser Cys
225 230 235 240

Ser Thr Ile Ala Glu Glu Met Cys Asp His Pro Asp Tyr Ala Arg Leu
245 250 255

Val Asp Ile Pro Ser Asn Lys Tyr Glu Leu Asn Leu Ile Val Ser Leu
260 265 270

Pro Ala Pro Glu Lys Pro Lys Gly Lys Pro Glu Glu Asn Ser Ser Glu
275 280 285

Gln Ser Gln Lys Lys Asn Ser Lys Ser Arg Lys Arg Asn Lys Lys His
290 295 300

Pro Lys Ser Asp Asn Asp Lys Gly Glu Lys Glu Lys Glu Lys Glu Lys
305 310 315 320

Thr Ser Ser Glu

<210> 5
<211> 1576
<212> PRT
<213> Candida albicans

<400> 5

Lys Thr Gly Ala Ala Ser Ile Asn Cys Val Met Asn Ile His Asn Cys
1 5 10 15

Ser Lys Thr Thr Phe Pro Val Glu Asn Ser His Ser Leu Asn Ala Ser
20 25 30

Leu Asn Val Met Asn Phe Lys Gly Leu Arg Phe Asn Lys Tyr Leu Val
35 40 45

Tyr Asp Thr Gly Ala Thr Ile Ser Val Val Asn Asn Lys Asp Ile Leu
50 55 60

Ser Asn Val Lys Asp Ala Thr Ile Glu Val Ser Val Ala Asp Gly Ala
65 70 75 80

Thr Leu Glu Ala Asp Cys Ile Gly Asp Leu Ile Ile Arg Val Gly Ile
85 90 95

Val Ser Ile Thr Leu Glu Asn Thr Leu Tyr Leu Pro Glu Ser Ser Phe
100 105 110

Asn Leu Val Ser Leu Lys Gln Ile Glu Glu Arg Gly Phe Asn Val Leu
115 120 125

Ile Thr Lys Glu Ser Val Ile Val Phe Asn Gln Asn Val Ala Pro Thr
130 135 140

Ile Ile Ala Ser Arg Lys Asn Ala Ala Asp Leu Tyr Met Gly Pro Gln
 145 150 155 160

Phe Ser Glu Glu Ser Leu Glu Cys Asp Phe Asp Tyr Asp Gly Leu Ala
 165 170 175

Asp Met Leu Ser Asn Ala Asn Gln Asp Asp Lys Asp Lys Ser Ser Met
 180 185 190

Asn Glu Met Ser Glu Tyr Gln Glu His Asp Tyr Ser Ser Arg Ala Leu
 195 200 205

Ile Asn Ser Leu Thr Glu Val Asp Val Leu Asp Val Glu Ile Ser Pro
 210 215 220

Tyr Gly Val Glu Gln Leu Leu Pro Thr Gly Asp Lys Asn Asp Ile Tyr
 225 230 235 240

Asn Phe His Leu Met Ser Asn His Met Ser Ile Glu Lys Ile Leu Leu
 245 250 255

Leu Gln Lys Tyr Gln Gly Leu Val Leu His Thr Ser Lys Glu Ser Leu
 260 265 270

Gln Lys Ile Ala Asp Cys Lys Val Cys Leu Leu Ser Asn Ala Lys Gln
 275 280 285

Arg Ser His Asn His His Ser Glu Arg Lys Ala Ser Arg Arg His Glu
 290 295 300

Arg Leu His Cys Asp Thr Leu Gly Pro Phe Arg Ser Glu Asn Asn Lys
 305 310 315 320

Trp Tyr Leu Thr Ser Val Ile Asp Glu His Thr Gly Tyr Ile Glu Gly
 325 330 335

Ile Ile Thr Lys Asp Arg Lys Val Lys Asp Leu Leu Ile Gln Arg Leu
 340 345 350

Lys Ile Trp Asn Asn Arg Phe Asn Asp Lys Val Ala Tyr Phe Arg Ser
 355 360 365

Asp Asn Ala Pro Glu Phe Pro Gln Pro Ser Asp Leu Ala Glu Phe Gly

370

375

380

Ile Trp Arg Glu Thr Ile Ala Ala Tyr Ser Pro Glu Leu Asn Gly Leu
 385 390 395 400

Ala Glu Val Val Asn Lys Leu Ile Leu Gln Gln Ile Tyr Arg Ile Val
 405 410 415

Val Thr Leu Gly Pro Gln Ile Leu Lys Leu Ile Tyr Tyr Val Ile Gln
 420 425 430

Tyr Ser Ile Thr Met Ile Asn His Thr Pro Arg Arg Ser Leu Lys Gly
 435 440 445

Gln Thr Pro Tyr Gly Cys Tyr Tyr Gln Leu Ser Glu Gly Asn Phe Tyr
 450 455 460

Arg Phe Pro Phe Ala Ile Asp Cys Val Val Thr Phe Ser Asn Ala Ile
 465 470 475 480

Glu Lys Asn Arg Tyr Gly Val Thr Ser Thr Lys Gly Ala Pro Ser Ser
 485 490 495

Ile Met Gly Ala Val Ile Gly Tyr Ala Ser Asp Cys Phe Ser Tyr Tyr
 500 505 510

Val Leu Leu Lys Asn Met Arg Cys Asp Ile Ile Leu Ser Pro Asn Val
 515 520 525

Arg Ile Leu Arg Ser Tyr Glu Val Ile Asn Ser Tyr Leu Lys Asn Leu
 530 535 540

Ser Thr Thr Pro Met Ser His Ile Val Pro Met Ala Glu Gly Ile Gln
 545 550 555 560

Gly Arg Gln Ser Gly Ala Gln Tyr Glu Val Arg Gly Thr Tyr Val Glu
 565 570 575

Ser Glu Tyr Asp Asn Thr Asn Asp Val Met His Met Pro Lys Glu Ser
 580 585 590

Tyr Ser Val Gln Pro Ala Ser Phe Thr Leu Thr Thr Gly Asn Ser Ser
 595 600 605

Asn Glu Tyr Val Ile Asn Asp Asp Pro Val Gln Ile Thr Ile Glu Asn
610 615 620

Pro Asp Asp Phe Ser Asn Pro Leu Gln Leu Thr Glu Glu Ser His Asp
625 630 635 640

Met Val Ser Glu Val Lys Ser Asp Glu Asn Pro Lys Pro Ser Leu His
645 650 655

Glu Leu Thr Pro Gly Asp Asn Pro Val Ser Lys Pro Pro Gln Leu Gly
660 665 670

Thr Glu Thr Ser Val Ile Gly Lys Ser Lys Glu Pro Ile Thr Asn His
675 680 685

Thr Lys Asp Ala Pro Ser Ile Gln Gly Arg Asp His Lys Arg Ser Glu
690 695 700

Ser Thr Ala Gln Val Gly Leu Ser His Gln Pro Gln Thr Gly Thr Pro
705 710 715 720

Ala Ser Glu Glu Ser Lys Leu Ser Gly Thr Asp His Phe Gly Val Asp
725 730 735

Val Val Lys Glu Thr Val Ser Glu Asp Trp His Thr Ser Asp Tyr Pro
740 745 750

Glu Thr Ser Ala Glu Asp Glu Gln Gln Asn Pro Ser Leu Ser Ala Asn
755 760 765

Lys Asn Arg Val Thr Glu Lys Ile Asp Glu Gly Glu Asn Ile Ser Phe
770 775 780

Pro Gly Gly Asp Asp Asp Ser Val Val Ile Asn Ser Asn Val Glu Gln
785 790 795 800

Ser Asn Val Glu Thr Glu Asp Ala Gly Asn Ser Pro Ile Gln Asp Glu
805 810 815

Val Ser Gln Glu Gly Arg Ile Leu Asn Glu Gln Thr Asp Ile Val Asp
820 825 830

Thr Val Ala Lys Val Ile Glu Asn Glu Lys Ile Ser Pro Ile Asn Ser
 835 840 845

Leu Asp Asp His Thr Glu Leu Ala Thr Asp Ser Gly Asn Asp Ser Asn
 850 855 860

Ser Thr Glu Ser Asp Ile Gln Ser Lys Asn Glu Ile Ser Pro Val Ile
 865 870 875 880

Asn Glu Lys Asn Thr Glu Ile Ile Gln Lys His Ile Glu Ser Ile Leu
 885 890 895

Ala Asp Lys Arg Leu Asp Glu Phe Glu Thr Tyr Asn Val Asp Glu Ile
 900 905 910

Glu Asn Val Ile Asn Asp Asp Asp Ile Ala Glu Ala Asn Pro Leu Pro
 915 920 925

Asp Glu Asn Asn Asp Val Gln Met Asn Glu Ser Phe Asp Asn Asn His
 930 935 940

Ser Met Ser Arg Ala Lys Lys Lys Tyr Thr Phe Glu Lys Glu Val Asn
 945 950 955 960

Glu Lys Ile Ala Gly Thr Lys His Ser Leu Asp Thr Thr Asp Pro Arg
 965 970 975

Glu Ala Ile Arg Val Leu Asn Thr Gly Glu Thr Lys Arg Ile Glu Pro
 980 985 990

Lys Lys Arg Glu Val Pro Ile Thr Val Lys Leu Asn Lys Arg Ser Gln
 995 1000 1005

Tyr Lys Ser Pro Tyr Val Thr Arg Ser Gly Arg Thr Val Ile Asn
 1010 1015 1020

Pro Lys Arg Tyr Leu His Ala Val Val Asn Lys Ile Asp Tyr Asn
 1025 1030 1035

Asp Pro Gly Trp Ile Lys Ser Met Asn Ala Glu Leu Glu Lys Phe
 1040 1045 1050

Arg Ser Lys Asp Val Tyr Glu Glu Val Pro Ile Pro Thr Gly Val
 1055 1060 1065
 Lys Pro Ile Ser Met Gly Trp Val His Thr Glu Lys Ile Asp Ser
 1070 1075 1080
 Leu Lys Gly Val Val Arg Lys Ser Arg Cys Val Val His Gly Asn
 1085 1090 1095
 Arg Gln Lys Glu Lys Leu Asp Tyr Asp Pro Phe Ser Val Ser Ser
 1100 1105 1110
 Pro Val Ile Asp Leu Val Thr Ile Arg Leu Leu Thr Ile Ile Gly
 1115 1120 1125
 Cys Glu Leu Gly Met Thr Ile Gln His Leu Asp Val Glu Ser Ala
 1130 1135 1140
 Tyr Leu Asn Ala Ser Ile Thr His Ser Asn Pro Ile Tyr Val Phe
 1145 1150 1155
 Pro Pro Lys Ser Val Pro Leu Lys Lys Asn His Cys Trp Leu Leu
 1160 1165 1170
 Lys Arg Ser Val Tyr Gly Leu Lys Gln Ser Gly Leu Glu Trp Tyr
 1175 1180 1185
 His Thr Ile Lys Arg Val Leu Glu Asp Ile Gly Phe Thr Gln Val
 1190 1195 1200
 Leu His Asn Asp Gly Leu Phe His Ile Glu Tyr Glu Glu Gly Ser
 1205 1210 1215
 Val Ile Tyr Leu Gly Leu Tyr Val Asp Asp Ile Leu Met Val Gly
 1220 1225 1230
 Ser Ser Gln Lys Val Ile Asp Asn Phe Val Asp Gln Leu Arg Asp
 1235 1240 1245
 His Phe Glu Val Lys Val Phe Gly Glu Ile Ser Asn Tyr Leu Gly
 1250 1255 1260
 Ile Glu Phe Arg Lys Thr Glu Ser Gly Tyr Ile Leu Ser Gln Glu

1265	1270	1275
Lys Phe 1280	Leu Lys Lys Leu Leu 1285	Lys Asp Phe Lys Leu Asp Asp Ser 1290
Tyr Gly 1295	Lys Asn Ile Pro Trp 1300	Ile Pro Asn Asp Lys Tyr Glu Lys 1305
Val Ala 1310	Ile Ile Arg Glu Asn 1315	Val Asn Pro Glu Asn Asp Phe Glu 1320
Lys Val 1325	Pro Asn Glu Thr Leu 1330	Leu Asp Pro Asp Ala Lys Lys Leu 1335
Tyr Gln 1340	Ser Gly Val Gly Ser 1345	Leu Leu Trp Ala Ala Thr Asn Thr 1350
Arg Pro 1355	Asp Ile Ser Val Val 1360	Val Asn Ser Leu Gly Ser Lys Ser 1365
Ala Asn 1370	Pro Asn Val His Asp 1375	Tyr Glu Lys Leu Ile Tyr Cys Leu 1380
Arg Tyr 1385	Ile Lys Asn Ser Met 1390	Gly Tyr His Ile Glu Tyr Lys Arg 1395
Asn Arg 1400	Leu Asn Ile Pro Pro 1405	Lys Ser Phe Val Ile Glu Cys Phe 1410
Ser Asp 1415	Ala Ser Phe Ala Pro 1420	Gly Leu Asp Arg Lys Ser Ile Ser 1425
Gly Thr 1430	Leu Ile Tyr Val Asn 1435	Gly Asn Leu Val Gln Trp Ala Thr 1440
Lys Lys 1445	Gln Thr Val Ile Ala 1450	Gln Ser Ser Ala Ala Cys Glu Met 1455
Leu Ala 1460	Leu Asn Tyr Thr Met 1465	Leu Lys Ala Ile Glu Ile Lys Asn 1470
His Leu 1475	Met Asp Leu Gly Phe 1480	Glu Val Gly Lys Ile His Cys His 1485

Gln Asp Asn Gln Ala Val Ile Lys Val Leu Arg Asn Asn Tyr Cys
 1490 1495 1500

His Pro His Arg Pro Ile Asp Ile Cys Tyr Lys Phe Leu Arg Gln
 1505 1510 1515

Leu Ile Asn Asp Lys Val Phe Ser Ile Ser Tyr Val Lys Thr Asn
 1520 1525 1530

Asp Asn Tyr Ala Asp Cys Met Thr Lys Cys Leu Ser Arg Ala Lys
 1535 1540 1545

Phe Lys Ala Phe Val Glu Gly Met Ile Lys Arg Leu Asp Leu Glu
 1550 1555 1560

Asp Asn Gln Thr Ser Ile Gln Asn Ala Ile Thr Ala Glu
 1565 1570 1575

<210> 6

<211> 1309

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature

<222> (1)..(1309)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 6

```

ctggataaag aaatcagaaa agagatagca ggaaaaccag gaaaagggtga cgatgatgac      60
gacgacagtt ggggatctgt gcctgtttca attcgagtat ttgctgaagt tgaaaagaag      120
ttgaagcaaa agaaaagttt ggcatacaagc tagatattta tatatgtata tgattagacc      180
aacataaaac tagacgtcca aatattttatt tattttattta ttgatataata ttcttattta      240
ttactgttat gatcttttga ttcacacaga gatttaaatcc aaatcaatac cttttgtttt      300
gtagaaatct tttgtcttct caatttgtat tttcaattct ttgtatttat gttctttgtc      360
tttgaatgta acaattcccc aacctaacgt tgataaggca taagacccaa atgtgactaa      420
tccccaccat ggcaagtatg gcaatatttc atcgtgtatt ttagctggag ttggaatcac      480

```

acctgtgata agagcaaaat aaatagctga taaggcaaaa attgttaatc ctgtttcagt	540
agcttttagtc attcttatag ttagacttgt taaagggtag ttgtgttaat tgaagatatg	600
ctggaaaact atacttttcg ttgttttttt ttttcaatct aggtcgggtg tgctgttatt	660
ttttttctct cttcttggtt cttagtattg gattatatgt tggtttatgc gacgtttgtg	720
tcagggaaat aacaccttga tataagtcgt gcgtattagg tcaacattgg tgaaaaattt	780
gcactcatcg agagccagga attagtataa aaagaagaga aaagaaagat atttaggata	840
tttattatat agggaccgag tttcaggaga cacttttagt gggcgtaaac ttcattcact	900
ctgttttttg cttattacaa attatcacct atcgtgtact aggactaatt ctcacgaata	960
ttccgtgtat acaaacactt attgccaact tatggtgcgg aactttattt gtctgaacca	1020
aatcaaagt cacatcattt aaatgaacgt tgacataaat agattcttta ttcaatagaa	1080
acaatttctt cctttntctt ttctttgtat tantgggttag atttccattc catatacaca	1140
caagatgtca acgaaatcag caaattcaac tgctgtcaat tcatttaatg caaaccactc	1200
caactatgac gtttttagac cttcattcac cccagttttg gtcaatacat tcttagtaca	1260
tcttgatta gctacgaaaa acccagatga cactttcact tttgacata	1309

<210> 7
 <211> 1340
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(1340)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 7	
ccnntttgtn tggtagatgt tagacaggcc caaaaaatgg tatcatttag aactgtatgg	60
agaacattag ttttggcca acattgcgtg atgatggtat ntntttcgta ttatagtaca	120
atgatggctc aatgattnat tttaggttta tatgtggatg atatcttaat ggacagaatc	180
tcagatggaa tcgttatcag atttgttgaa caagagagag tttatttcgc gtnaaaatca	240
atthaggtct catgacagaa tatgtgagat aaaatgtcca cgtaagcaaa actggggtgat	300
actntgaatt aagagatact cctaaataag caaaccaagg atnttaaaact acacaantcg	360
tatggtaaaa cgtgctttga gtnccaaatg atagatgcga gataccaaca aaatagnact	420

gtcgcaaatg ctgaanacaa tttcactgag gttcgaaatg naaaatnact taantcaatt	480
aaaaaattta taccaaaaagg tggctctggaa gtgctgatat gaacacgaaa tttaangcat	540
tctgtggaaa attcgtttta gctcacantc ggaaaatact accattctac atttgcagaa	600
aattaaaatt gtgttgtgaa atatctacat cctacaaagt tcaagacatt tattgatggg	660
atattcaaag gactcgatgt tgagaatgat aataacctga accaagacgc taaaaatgct	720
aattgagtaa ttcgtaattg ctaaacaacg ccatttcgaa tcaggggagt gttggtttat	780
gcgacgtttg tgcagggaa ataacacctt gatataagtc gtgcgtatta ggtcaacatt	840
ggtgaaaaat ttgcactcat cgagagccag gaattagtat aaaaagaaga gaaaagaaag	900
atatttagga tattttattat atagggaccg agtttcagga gacactttta gtgggcgtaa	960
actncattac tntgtttttt gcttattgca aataatccct atcgtgtact aggactaatt	1020
ctcacgaata ttccgtgtat acaaacaaaa tcagacttct tggtaagccc agccgaaaca	1080
gccatacttc tagtggatct ttctatacta caacattcac actgcttgac ctacaactac	1140
acatattcct tgttataagg gcaatctatc acacaaaaga tttactgttg actcacaaga	1200
tatcaactgt actaataaag gagtgcattc tatgaccttt ggagaggaac tatgtataat	1260
ataagagaga agggactaaa gatctatata taatgagcag gatgggtaac ccggtggggg	1320
attagcacgc acacgacctg	1340

<210> 8
 <211> 556
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 8	
caacattggg tgaaaaaatt tgcactcatc gagagccagg aattagtata aaaagaggag	60
aaagaaggta tttaggatat ttattatata gggaccgagt ttcaggagac acttttagtg	120
ggcgtaaact tcattcactc tgttttttgc ttattacaaa ttatcaccta tcgtgtacta	180
ggactaatc tcacgaatat tccgtgtata caaacattat acgtgtctgt aactacgcga	240
aactacttcg tctcagtttt ttgttacaaa caactttccg tatagacctg agattttgtc	300
agcttgattg aatggaagag ttactaaag taccagaaag gtgttttata gataacatgt	360
agatatataa aaatgttata ttacaaatga cttccaaaag aaactgtacg aattttgctg	420

tttattaaaa accagttcct gaaaactagt atcttagctt cagtacattt agcccaccta	480
aattggacct atgacaagtt ctactttccc gacaatgcta atatagagca gtttcttctt	540
cttcttcttc ctctgc	556

<210> 9
 <211> 2112
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 9	
atttaatatg ttggtattgg ctactgcaa cttcttagct gatgcagatg ccattgttaa	60
tattgttaaa ttgggtaaat agtatgaagg aagctttggc aggcgttggt atttttttca	120
ccaattatta tcatcacctg cggagggttag tcaatttgag attgtgagag ggaaaaaaaa	180
cgacctccat acactacctc aagtataagt ccagtcctaat tggtcgtat agagagattt	240
cctagccgga atgcacgaca atcctgagac ggaagtcgat cgtcgatgcc catggtgcgt	300
ggtgaaaaat tttcttagaa aatttgttct ttccttcaac tgctttgaag agagggaggt	360
tcaagtgggt taagtacgac ggtcaciaag attgcggctt atgaggcccg aactgagttg	420
aaatacaaaa tcaagatata attatatacc ttacttgtct atattgtttt ataatacatt	480
cttcagatat ttaaatttct gtgtatcatc ctataaaaca gagatacatt cagtgcattt	540
agtatactga gtgaactggt acctgtgaca ttcaagataa ctgtttcacg cacgctggca	600
gacgaacacc aatagtatga tgaagaactg accatggtgt aagaggtttg atggagtttc	660
tttttttttag aagaggttga taagccaaca gatgaggagt aacaagtaac tcgcaacatt	720
gtataacata agtttacatc aaatcagaat ttactaagaa aatcaatcca ttcaaaaggc	780
actcaatcat tgaaaaaacg agcttaatga gtagacggtc tgttcatatg aaacaattga	840
aagggttgaa tattgtttgg aaaattatat aattcatgtc aaactgggag gcttaaatga	900
tggtcactcc acagattatg aaacgtagtt acacaattct tggacctgga aatcccacaa	960
gagagcgta gttagtttgc actctcctca ccagttaaac taccatgat tctccaatgt	1020
ggcttattta agtatcagac aacagataca tggtttccaa gtggtctcat ttttggttta	1080
ctggagtctg cattccccac aaaagtacct ttcaaaacta attaatgtag cttctatttg	1140
atagcctctg ttatggaaat agatttgctc tgcccagtggt gtgtaattat tcccagctgg	1200
aactattccg atagatatgt tttaatgtca atttaaactc tgtaataata gtaaggatgc	1260

ggtttatccg cgatcttctt aatacctgtg gagttactcc agaacagagg ttcaattttt	1320
tcttggttg taaattatcc gagtaacacg gggtagcttg gttactccag ttgagaatgt	1380
aaactataga tgaagatttc aacacgcaat tattaccca ccttggcgaa ttactaatcg	1440
actatttggt aatccagaaa aaattataca caaacactgc ctttttttaa aaaaagcggt	1500
attttgatgg aacgataatt aacgatgggt ctgcacaaaa atgtgggtcca aagccccaga	1560
ctattctgaa gtatgatttg ttacttaatt tagtgaataa ttaaataa aatctggaga	1620
aaaatttttt ttttgctctc atgaccagtg gcaaattctt ggtaacgagg cttacatta	1680
atccgcaaat tacctggcaa cagagaaaac acccagaaag ttctgtcgta tgagaaaacc	1740
tacagttggt tccgatttct ccgagcacta aacataaaga gaccagtaat gctaaaaaaa	1800
ttttatttct tgcattactg tttttagcaa atacacgtct aatttattgt atttgtaaa	1860
cattcttttc ctgaaatttt aagaaaatgt tttggtttgt tggaattcca tttaaacggt	1920
actttggggt gcagacagca atccatttgg agagtggcaa gtctacacga atttagctaa	1980
ggttcactat atcgtgtaac aagaaatttc tataccaaat aaacagcact tgattgaact	2040
acaatatgta aaaacttgct tttattacca gtcttcatac ataccccggt cttctctttt	2100
caatattctg ta	2112

<210> 10
 <211> 3742
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 10

ttagaaaaca ggaaacagca atagagagca ataattgaaa aatagtgttg tcaacaatag	60
aacaaattgg tcaaacttta aatgcaaac atgaaattcc caatttccag aataaataat	120
atcagcatac atggccccga aaactacttt accgtgtcgc ttttaacccc ccttccctaa	180
aacgagacaa ttagacatac attccacaat tatcataatc cccttttttt tccttacaaa	240
acactttatt tttgtcgttt tcgttatttg cttcgacgac attgtaaact ctttggtatt	300
gcagtagtag tgctcctggg gtaagggtggg tttggttgta gagtaaaaga aacgacaatt	360
gattacacct cgatatgcat acgcatggca aagagaatac cgagttaata gtgagtctat	420
tagtggtgca ggaaaagtta tacgaacaac attttgttta gtgtggatat tccagatcaa	480

caacaatatg actaaatca tagctctaatt tttcagttta cctttgttta ttacgatact	540
gccacagtcg tgcgtgacca gggtcagttt tagaaaaact attctagaaa tgatgagtag	600
aatgtacta ttatgagcaa tatttcaaaa agtgaaatta taattgctgc tgacaacacc	660
aacaatacat acaaatttgg aaacgagcaa atcgagaaaa tttcaatccg tttagcaagt	720
tgttcgttgt cgtcattgtc gattagtttc agtttctaga ggtgaaattt tctatggcac	780
caaaacaaa gcctcaattt taatttactc tgtgtggtac aaaatacatt agagaggatc	840
ctctccaaac aggattgcag gaagttttac acgagaatga tttactacac gacgttgaat	900
taaaaagctc aaccagtttg tcagcaattt tgttctatct gttcaatttc ttgtataaaa	960
taaagcaata tgagagagca tctaaatcaa taatgtcaac acaatattaa actttgagaa	1020
ggattgttca aaaaaacaat ccgatgaata gaagaagaat aatatcaaat tgttcctgat	1080
tgattgttgt tatttatattt ttatctccga attcctgcac aatgggtcaa caacagccaa	1140
cacggatcac acattaaatt tttttttcgt gcaggacccc gtggtggtgg ctgtggctgt	1200
gattgtgac attgtagttt ctgccttgat gatgacaaaa aatgatagag ttcagtatga	1260
ggaagaaatt aagcgatac ggtttatgat gtgtttagtt attaattgct ctcaatgggt	1320
ttcaacaacg tatacaaaac tgggtggtgct tgaaacgaat gagtaataca gatctaatta	1380
agctgtgatt ttctaagttt gccttgtctc tacagttcaa aaaaaagaa cagaacacct	1440
cagaggctgt tgtgatgcaa tttttaggaa cctcaacaac aaccactgac tgatctaagc	1500
cagcatctgt ttaatgggtt ttcaaaaaga atggggcaaa cggggaattg aaccccgggc	1560
ctcctcgaat tttgtgtttg gtgaacaacc caaacgagga atcataccac tagaccattc	1620
gccaattcg atgacttggg attattctag ttatttttga catacaaagc tcagctttat	1680
tacagatagt catgtttgca tggatgaatt agtactacta ataataaag aaaactagtt	1740
aattggagtc aatgtcttat acatgtcttc tgatgggtta tgcattgatt aattatgaat	1800
ttctttttaa tacaatctat tgctattatt tgtatgtaaa actttacca aaaaccaaca	1860
aaaaagagtg gtcttggata aagattaaag taattccaaa aagatttggt aattagctat	1920
attgttttga cgtacatcta taactacaaa tagccattca gtttgattat gtatattgac	1980
atagttggat ttgtaatttc tgttaaaatg gaaaacccta atcaaatgta tatgttgaat	2040
aggtagttaa attgtacaac ctactacttg ttgtcaattg aattcagagc caatacttat	2100
atctcctgga aactgataca caaacgaatt gttaaactat aacactcgac gttcacatct	2160
aaggattcat cgtcgttaag atttatactc attagcaaac tcacttgcca tattaacac	2220

ttctcaatct atttcccaca atccaattaa tcagcacgaa aactaagata ctatatatat	2280
ctgcctatac ctgatataca catggcacat ggcgtatccc acaaaaaacc gtcaagacaa	2340
caccaatatg acaatgccaa ttatacaatt gcatatacca cgtgacttca ttttatgggc	2400
atgagaaatt aacttatcat ggggttaggc gagaatatca actgttcgct atagagagat	2460
ttcctagccg gaatgcacga caatcctgag acggaagtcg atcgacgatg cccatgggtgc	2520
gtggtgaaaa attttcttag aaaatttggt ctttccttca actgctttga agaaagggag	2580
gttcaagtgg ttttaagtacg acggtcacaa agattgcggc ttatgaggcc cgaactgagt	2640
tgaaatacaa aatcaagata taattatata ccttacttgt ctatattgtt ttataatata	2700
ttcttcagat atttaaattt ctgtgtatca ttctataaaa cagagataca ttcagtacat	2760
ttagtatact gagtgaactg gtacctgtga cattcaagat aactgtttcg cgcacgctgg	2820
cagacgaaca tcaacactga tcatttgttt tttttttatt tctccttttt ctcctttttc	2880
tttctttttt cttctttctt cagacgttgt tgatttattt tatcgacagc atcctttttct	2940
ttggccacat atccaagcga tatactggcc aaagcgaagt ccttttataa agcaatgcta	3000
ccaaatgtaa cagttcgagg tcagaagatt aagcgggtat gttcacacgg atattttatg	3060
gggtatcact tgtaccaaac actttgatac gataagaata tttgtaatac taacttcagt	3120
gtctttcata atcagctcat aacctgttgg aatttaaatt cgtatgttgt tcattcaaaa	3180
ttttgataaa tgggacgaga aatcatcgtt gcctcctaatt tagattatga cttagtacta	3240
actaaactgt ttatcatttt ttaaagcgtt gggctccatg ttagaataga ttattagggc	3300
ggtacgtatt tcataattta tatataggta cttattttta ctaatttatt gcacaggaaa	3360
agataaaagg tatcgattat acctatcagc aaggtttaag caaaatgaag tatttttacc	3420
atatttttcc atttttatat agatacatca agaggtttat tttaagttca cctggataaa	3480
ccattcaact aacccaattg aattgaatga caatttgatc tccaaagagg gattcatttc	3540
tattctggag agataaacgt cattgttttag gaaagagcaa gagataagaa atcttttgta	3600
tattgtatat atattattaa tgttatatta cactattgtt tgtttgtttg ttataattat	3660
atgtgagatt tcatatgtaa gatgttgta tctctttcca ttatttagct tttttgaaaa	3720
agctatcaat ggctccacgt tt	3742

<210> 11
 <211> 1438
 <212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature

<222> (1)..(1438)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 11

gtgtagatgc aataggtgta tgaaatgtat ctagattata tcatgaagcc cttgcccaata	60
aaatctagcc aaaaatttgt gtactgcaat tgttcgctat agagagatat cctagccgga	120
atgcacgaca atcctgagac ggaagtcgat cgtcgatgcc catggtgcgt ggtgaaaaat	180
tntcttagaa aatttgttct ttccttcaac tgcttttaag agaagggagg ttcaagtgg	240
ttaagtacga cggtcacaaa gattgctggct tatgaggccc gaactgagtt gaaatacaaa	300
atcaagatat aattatatac cttacttgtc tatattgttt tataatacat tcttcagata	360
tttaaatttc tgtgtatcat cctataaaac agagatacat tcagtacatt tagtatactg	420
agtgaactgg tacctgtgac attcaagata actgtttcgc gcacgctggc agacgaacag	480
caattctgta attgtcgtag agtagcaaca aatcttcccg atgattggta cttgtgttag	540
tctacacgac atgtgttttg gtacacttga actgtatgtc caagaatgga aacatatgcg	600
ggaaggacgc gaaagatgag tttggtatag aaggataag aactgtaaaa tatattatgt	660
agttatatat tttaattatg ggaaattgag tgtttattct gttcaacaag tttcaaccgt	720
agagattaca tttaaagtct gtggtcgaaa tccacaagat acagcaaatt catgaattca	780
cctattttaa tcaagtttac caagcaccat tgcctagaac ttgccatata atcaattaag	840
tcagacatta ctaatttgag caaagctttt agcttaatgg gccaaactaat ttaagtcgaa	900
ttggtaatgc aatctgttct tcatttgagt cgcttgctac ggctccatga cacatccatt	960
tgattgtttt aattcgagca attatccacc ataactctca gtaatatcat taacagtttt	1020
acgcttaata agcatagaaa gttgtatgaa gttgtctcct aggtatgcta gagagatttg	1080
tatatacgac cagtaaagag tgtgatgagg tgtttactgt agggtaaatt gcaattgact	1140
tgagttgata gcggttatta caaaagtata gattcaacaa attaagacaa gtaccaaacg	1200
ataggccgaa tgtgacttat accgttgaag ttcaagcgtt tttaacaaat agaaatgtga	1260
gattaatgag ttcgacaaat gttttactag atactattaa ttctgatgta ctatataagt	1320
ttaaccagct ataaccggca gagcagactt cctgaaactc aaattgggtg tgtttgact	1380

tgagttacac cacaaagttt gacaatcgtg aggacatagc aacctatcaa gccactca 1438

<210> 12

<211> 1304

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 12

tgaagatctg gctttggcca aagtatcagc tgcattagat actgtcattg gcattggctt 60
gaaccactg gctgtggatg taactgtgga gccaaaagct cgtaaagctt tggcgttcat 120
ggagaaaaat ctttaacag acattgtata aacgttgaag attaaagaaa aaaaaaacag 180
aaagattacg aataatttgt ttttaattgg tgggtatgag gtgttgcgca gtogactcaa 240
caattctctt ttggtgcaca aagttggttt tatggtcaac aattacggag tactgtctgt 300
agtgatgttg aatctaagac ggaaatgcct cctttacatt tgtttctatt ctcttaaaat 360
acatattcaa ttgtgtgttt taattgaaaa tttgttcac ttcatctgat gattgtgtaa 420
tctttgcggg gggggggcgt gtcatgaacc aatctctttg agtcatagga cgagtcaccc 480
tattgtgact catggctcat cttactctct tactaatctc ttacttcac ttgtttactat 540
aaatatgtct actactctc tattttatta cctcgtttac tatttttatt caatatatga 600
tcttatcttt aaatttcttt tgacaaatac aatcaactta caaaacaaaa gaaaaaagac 660
taataaaata gaattaatga aaaaaaaaaa agactaataa aagaaaaaga aagaagacta 720
acaaaagaaa aaacaaaccg gagaaccctt cgctgtagag gaatttccta gccggattgc 780
acgacaatcc tgagacggaa ttgatcgtt gatgaccgtg gtgcgagggtg aaaagtttcc 840
gtagaaattt tgttctctct ttcaaactgc ttttaagaaa atgagggttca agtgggttaa 900
gtacgacggt cacaaagatt gcgacttatg aggaccgaac taagttgaaa taaaaaatca 960
agatataatt atatacctta cttgtctata ttgttttata atacattctt cagatattta 1020
aattcctgtg tatcatccta taaaacagac atacattcag tacatttaat atactgagtg 1080
agcttgtatc tgtgacattc aagatatgtt tcgcgcacgc tgacagacaa acatttggtt 1140
gtaaaaaaaa aaatattgaa gaacctcac accaagatgt ttgaaaaaaaa aaaaaatcaa 1200
atacttaatc gcaagctttt caatttattg attgtttgaa ttaattgaat ataaacaaaa 1260
aaaaaaagaa ttcaaattca ttgacatgt cagtgggaagt taga 1304

<210> 13
<211> 3604
<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature

<222> (1)..(3604)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 13

agccccaaaa	tggttttcct agnggaggat ggaatggatg ggaccacca ccaatttgg	60
tcccgggaatt	tggtttaaaa aaaagtttac ggggatgatt tatttccaaa ccagatggt	120
tcctgctgct	gaaagaattg gaaaagctct ttccagtnac aatctaactg agagaacttg	180
aaagggatca	gcatttttgt tatgtcaaca tttaatgacc aatgaccacc agcacgatga	240
tattattcct	aaatttctcg ttagcgggtg ctcaccatgg tacttacatc tgcaaattta	300
catgctgtca	tataaacttg gattctcaaa ttgttttta gagatttatg ctcaacatta	360
tgaattgtat	aaagcagatc ccatttaca attgccagat agtatgacat tgttgaatga	420
aataagatca	aatagagatt atcctaaagt ggtaaagtct gcaaaaaata cagtacaagt	480
caataatgtt	tcaccaaga acaataaaaa gaaggatgaa tgacaacaat tagccaataa	540
aattgaggaa	gtaggacgtt atagcgaaat aaacgcaaca tctacatata atgaaattgg	600
cgataccaac	aaaaaccaa ggacaattaa tattgaattt gaaaaatcat acaaaattaa	660
gtgaacaaaa	gaagaaaaca aacctattgg tatatgatct gggagccaca gtatccgtgg	720
tgaatgataa	gactttactt aacgacatta aagaatcaaa tatcgaaatt gcaactgctg	780
aaggggagac	atctacggct tatgcttttag gtactctaac catatctgtg aatggattga	840
atgcgaaatt	agatggtggt ctatacttgc catctattca attaaactta atatctataa	900
aacaatttga	agatttatgc tacgcaattt tgatttccga aaatttaatg tttctagtgc	960
acagtgacca	cgaacctacg gtcattgcga aatattcacc taaagatgac ttatactcag	1020
gccaagatc	gggaaacttt cttaagaaga atcataatga acaaaaccaa attttgcttg	1080
acactgctaa	aaaactatta ggatcagaga acatatttct ggagaaatca ctgaaaaatc	1140
caatgattga	tcaaggaaaa ttagatccgt tgaaaatgaa caataaagta gaaagagtta	1200
actatgtcag	catacacaac atcaaacaag aagtggcaga caaatatatg ataaaagatc	1260

tttactacta tcattttatta attaatcacc tttcacatga aaaactacaa ttattagtaa	1320
aaaggggagt gattaaacca gtcaaatacta cttegggtga gtcggccatt ttaaattgtc	1380
agatatgtgt tgcagcccat gcaaaattag ctagccataa tcacactcaa caacgggaat	1440
tggagcgacc attacaacgc ctccatttgg ataccgccgg accattttacc tcaaataaaa	1500
ctaagagcta tcttacaacc gtgattgatc aattttccag atatactgaa gttattgtat	1560
ctgacaccaa agcagtcaaa caaagcatat tgcatagact tagggctctgg aacaatagat	1620
ttcagtttaa gatcgcgagg ataagatatg ataatgcatt ggagtatcca tcggctgagg	1680
agttagagga gttaggaatt tataaacacc ttctcccaaa ctactctcct atgcttaacg	1740
gtacagctga agcaaccaac cgccccattg tccaaggat ttataaggta gtgttaaatt	1800
ttagttgtca agtattaata cttttcccat ttatagtga gtatgcgggt catatccgga	1860
atcatacacc tataaaagaa tttgatgggt ctactcctta tgaacgttac tatggtttat	1920
ctaaatacgt cataccattt tttcagtttg gaaccgacgt tttgataaaa tgtgctagt	1980
tacaagaagc tatttcatta aaactaccat cttcaagaga taaagctttt cctacagtga	2040
tgtttgggtc ttttctcggt tacggctcag attcctttac cttcagagtt ttagtttcca	2100
cgaaaggata tccagttatt acaacatcaa acatccgtcc aatagcgacg atgcaagtac	2160
tcaatgacta tttggcatac atatcggaaga atagctcaat aagctatgac gatacattct	2220
tatcaccttt gaatcaccca atgattcgca caaaccaaca tgatagacgt ggagacaata	2280
taaatgtcga atatgaaaac cgtccaaatg taccatttga atatcatgct gaacctctc	2340
gtacaaattc atcgacggga attatcgatc gaccagatat tagacctaga gctgatccca	2400
cctggcaacg tatgcctgat gccaacatac atcaggaaac aacaactgta cagactcctg	2460
atcatgggga gttagatacc atgatcaaca acgaacacca actaccacga tctggggagg	2520
gtaattacc cgggcaacag gtgcgcaccg atattattgg gcaatttcga gatcgcgggc	2580
ctaccactct aaacactccg atcgatctag gtgtaccga tgaacagac gatattagta	2640
tgacatcaga gaatccaatt gattcccaa attccgagat gatcatatcc ccatctttac	2700
ccacaaatga attggaacat caaatcgata tcagttcagg ggagatgtcg ttattgcaaa	2760
cgaatatgga agcagataac gaattgaaaa caaatgaaat ggtattatac aaatcaaaaa	2820
atgatgggtat tatcattcaa caacaacaat tcaactgaaaa tttgtcagat gaaaatgaag	2880
aagattcatc aacagatgag gaaacattgg aagacaaaaa acaacagcga ttggaatata	2940

atatttcacc aaacgatgag tggataaata atgacgttca gaacgaagat gacacacaag 3000
 tgccacatgt taaggaacca atcaattatg aaactcaaag tagaaatgga acaaacatgc 3060
 cacgaattga aatgggcata atagaaaact taagtgatga tggaaagaat acaccacgtg 3120
 aattacgtat ggtcacctac gataataata aaaaaattca aaagtaccaa aacagtaata 3180
 tcgagatcct ggaaccaga aacgaaaata aaaaccacac attcattgaa agcaacttag 3240
 aattacttga caatcaagaa atgtttcaag aagatcctca agttgaagat attcgattga 3300
 caactccaaa aaaggacaaa tcgttatcac ctgatttcaa tcaaaccat aatgaaatac 3360
 aactattcat ggcagatatc aatgaagata tgctagaaga atatgatgaa aatataaata 3420
 tgaatgaagt gttagctgac tccacggaga cgttggacaa agaattagat ttagatgaag 3480
 aaagtggaag gatcgaatat attgctgata gagttagaaa naagacagag gtactgatgg 3540
 tgcgccacac ggggaattnt ttacagaaaa atggataaag atttttgggt ccattaaaaa 3600
 ggcc 3604

<210> 14
 <211> 995
 <212> PRT
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> UNSURE
 <222> (1)..(995)
 <223> 'XAA' can be any amino acid

<400> 14

Met	Lys	Leu	Ala	Ile	Pro	Thr	Lys	Thr	Lys	Gly	Gln	Leu	Ile	Leu	Asn
1				5					10					15	
Leu	Lys	Asn	His	Thr	Lys	Leu	Ser	Glu	Gln	Lys	Lys	Lys	Thr	Asn	Leu
		20					25						30		
Leu	Val	Tyr	Asp	Ser	Gly	Ala	Thr	Val	Ser	Val	Val	Asn	Asp	Lys	Thr
	35					40						45			
Leu	Leu	Asn	Asp	Ile	Lys	Glu	Ser	Asn	Ile	Glu	Ile	Ala	Thr	Ala	Glu
	50					55					60				
Gly	Glu	Thr	Ser	Thr	Ala	Tyr	Ala	Leu	Gly	Thr	Leu	Thr	Ile	Ser	Val
65					70					75				80	
Asn	Gly	Leu	Asn	Ala	Lys	Leu	Asp	Gly	Val	Leu	Tyr	Leu	Pro	Ser	Ile

85	90	95
Gln Leu Asn Leu Ile Ser Ile Lys Gln Phe Glu Asp Leu Cys Tyr Ala 100	105	110
Ile Leu Ile Ser Glu Asn Leu Met Phe Leu Val His Ser Asp His Glu 115	120	125
Pro Thr Val Ile Ala Lys Tyr Ser Pro Lys Asp Asp Leu Tyr Ser Gly 130	135	140
Pro Arg Ser Gly Asn Phe Leu Lys Lys Asn His Asn Glu Gln Asn Gln 145	150	155
Ile Leu Leu Asp Thr Ala Lys Lys Leu Leu Gly Ser Glu Asn Ile Phe 165	170	175
Ser Glu Lys Ser Ser Lys Asn Pro Met Ile Asp Gln Gly Lys Leu Asp 180	185	190
Pro Leu Lys Met Asn Asn Lys Val Glu Arg Val Asn Tyr Val Ser Ile 195	200	205
His Asn Ile Lys Gln Glu Val Ala Asp Lys Tyr Met Ile Lys Asp Leu 210	215	220
Tyr Tyr Tyr His Leu Leu Ile Asn His Leu Ser His Glu Lys Leu Gln 225	230	235
Leu Leu Val Lys Arg Gly Val Ile Lys Pro Val Lys Ser Thr Ser Ala 245	250	255
Glu Ser Ala Ile Leu Asn Cys Gln Ile Cys Val Ala Ala His Ala Lys 260	265	270
Leu Ala Ser His Asn His Thr Gln Gln Arg Glu Leu Glu Arg Pro Leu 275	280	285
Gln Arg Leu His Leu Asp Thr Ala Gly Pro Phe Thr Ser Asn Lys Thr 290	295	300
Lys Ser Tyr Leu Thr Thr Val Ile Asp Gln Phe Ser Arg Tyr Thr Glu 305	310	315
Val Ile Val Ser Asp Thr Lys Ala Val Lys Gln Ser Ile Leu His Arg 325	330	335
Leu Arg Val Trp Asn Asn Arg Phe Gln Phe Lys Ile Ala Glu Ile Arg 340	345	350
Tyr Asp Asn Ala Leu Glu Tyr Pro Ser Ala Glu Glu Leu Glu Glu Leu 355	360	365
Gly Ile Tyr Lys His Leu Leu Pro Asn Tyr Ser Pro Met Leu Asn Gly 370	375	380
Thr Ala Glu Ala Thr Asn Arg Pro Ile Val Gln Gly Ile Tyr Lys Val		

385	390	395	400
Val Leu Asn Phe Ser Cys Gln Val Leu Ile Leu Phe Pro Phe Ile Val	405	410	415
Glu Tyr Ala Val His Ile Arg Asn His Thr Pro Ile Lys Glu Phe Asp	420	425	430
Gly Ala Thr Pro Tyr Glu Arg Tyr Tyr Gly Leu Ser Lys Tyr Val Ile	435	440	445
Pro Phe Phe Gln Phe Gly Thr Asp Val Leu Ile Lys Cys Ala Ser Val	450	455	460
Gln Glu Ala Ile Ser Leu Lys Leu Pro Ser Ser Arg Asp Lys Ala Phe	465	470	475
Pro Thr Val Met Phe Gly Ala Phe Leu Gly Tyr Gly Ser Asp Ser Phe	485	490	495
Thr Phe Arg Val Leu Val Ser Thr Lys Gly Tyr Pro Val Ile Thr Thr	500	505	510
Ser Asn Ile Arg Pro Ile Ala Thr Met Gln Val Leu Asn Asp Tyr Leu	515	520	525
Ala Tyr Ile Ser Glu Asn Ser Ser Ile Ser Tyr Asp Asp Thr Phe Leu	530	535	540
Ser Pro Leu Asn His Pro Met Ile Arg Thr Asn Gln His Asp Arg Arg	545	550	555
Gly Asp Asn Ile Asn Val Glu Tyr Glu Asn Arg Pro Asn Val Pro Phe	565	570	575
Glu Tyr His Ala Glu Pro Pro Arg Thr Asn Ser Ser Thr Gly Ile Ile	580	585	590
Asp Arg Pro Asp Ile Arg Pro Arg Ala Asp Pro Thr Trp Gln Arg Met	595	600	605
Pro Asp Ala Asn Ile His Gln Glu Thr Thr Thr Val Gln Thr Pro Asp	610	615	620
His Gly Glu Leu Asp Thr Met Ile Asn Asn Glu His Gln Leu Pro Arg	625	630	635
Ser Gly Glu Gly Asn Tyr Pro Gly Gln Gln Val Arg Thr Asp Ile Ile	645	650	655
Gly Gln Phe Arg Asp Arg Gly Pro Thr Thr Leu Asn Thr Pro Ile Asp	660	665	670
Leu Gly Val Pro Asp Glu Thr Asp Asp Ile Ser Met Thr Ser Glu Asn	675	680	685
Pro Ile Asp Ser Pro Asn Ser Glu Met Ile Ile Ser Pro Ser Leu Pro			

690	695	700
Thr Asn Glu Leu Glu His Gln Ile Asp Ile Ser Ser Gly Glu Met Ser 705	710	715 720
Leu Leu Gln Thr Asn Met Glu Ala Asp Asn Glu Leu Lys Thr Asn Glu 725	730	735
Met Val Leu Tyr Lys Ser Lys Asn Asp Gly Ile Ile Ile Gln Gln Gln 740	745	750
Gln Phe Thr Glu Asn Leu Ser Asp Glu Asn Glu Glu Asp Ser Ser Thr 755	760	765
Asp Glu Glu Thr Leu Glu Asp Lys Lys Gln Gln Arg Leu Glu Tyr Asn 770	775	780
Ile Ser Pro Asn Asp Glu Trp Ile Asn Asn Asp Val Gln Asn Glu Asp 785	790 795	800
Asp Thr Gln Val Pro His Val Lys Glu Pro Ile Asn Tyr Glu Thr Gln 805	810	815
Ser Arg Asn Gly Thr Asn Met Pro Arg Ile Glu Met Gly Ile Ile Glu 820	825	830
Asn Leu Ser Asp Asp Gly Lys Asn Thr Pro Arg Glu Leu Arg Met Val 835	840	845
Thr Tyr Asp Asn Asn Lys Lys Ile Gln Lys Tyr Gln Asn Ser Asn Ile 850	855	860
Glu Ile Ser Glu Pro Arg Asn Glu Asn Lys Asn His Thr Phe Ile Glu 865	870 875	880
Ser Asn Leu Glu Leu Leu Asp Asn Gln Glu Met Phe Gln Glu Asp Pro 885	890	895
Gln Val Glu Asp Ile Arg Leu Thr Thr Pro Lys Lys Asp Lys Ser Leu 900	905	910
Ser Pro Asp Phe Asn Gln Thr His Asn Glu Ile Gln Leu Phe Met Ala 915	920	925
Asp Ile Asn Glu Asp Met Leu Glu Glu Tyr Asp Glu Asn Ile Asn Met 930	935	940
Asn Glu Val Leu Ala Asp Ser Thr Glu Thr Leu Asp Lys Glu Leu Asp 945	950 955	960
Leu Asp Glu Glu Ser Gly Arg Ile Glu Tyr Ile Ala Asp Arg Val Arg 965	970	975
Xaa Lys Thr Glu Val Ser Met Val Arg His Thr Gly Asn Xaa Leu Gln 980	985	990
Lys Asn Gly		

995

<210> 15
<211> 1249
<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 15

```
tctctatgta ggctgacagg tgaaaattat gaattaattg cattggccaa tgacaaatga      60
atagacaaaa cagcaaataa ggttgcaaaa gtagcccaaa caaactagat ttcggttacg      120
aattttccat ctttcaaaac aatgaatttg tttagagctc tgtgccattt attgcaacta      180
aaatgaatat gcaattaaac aatcagagat gtattggatt atccccgtgg tatacttttg      240
agttcaccat ttgttttttt tttgggggta aattagtgtc cctactaaaa atcgcattha      300
tcttacactc accattttga taagttatct ctgggtcaatc gcaaatacta tgcttctaata      360
taagagttct atgtaaatcc catttaattt tgatcaatct attggtttga agtaagagtt      420
gattttctgt aaagatttat ttggccagtg tagttcgggtg tcaaaaatat attatgatgt      480
acactaaaaa acactaaatt tcaagtcaat ggggaacaca aaactgaatt aattactata      540
tgttggtttg tgcactatth tgtgtcagaa actgatcaat gaaaatgatg gttattatga      600
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat atttgttagt      660
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt      720
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacaca ctagacgtgt      780
acacgctcaa tctcaggtaa agaaagttta tattccatca ctatataaca acaatcaggc      840
tttgcaaaaa aacatttaaa actaatactg gtaatatgga aatataacgc ctcgtagttc      900
tacgcacgtg gcacccctta tctattttatt caatttacct ctaatttatg aattagctta      960
ataagagcag tcaaattaac acggctcaat taatagtact taataatatg aagccgatca     1020
attaaccgat cctttgaata atttgaaaat aaaataaagt aatataaata ggtatgcatt     1080
ttccctacat ttatttcctc tttctatttt aatttgtttc ctaaacagca acaacaacaa     1140
ttgaaattca aaaatgggtt ctgtttctaa attattgaac aatggattgt tattagctgg     1200
tcaaagtgtc ttccaagatg ttgctactcc acagcaagct tctgtgcaa                     1249
```

<210> 16
<211> 5611
<212> DNA

<213> Unknown

<220>

<223> sequence of retrotsequence of retrotransposon from unknown organisms

<220>

<221> misc_feature

<222> (1)..(5611)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 16

tctctatgta ggctgacagg tgaaaattat gaattaattg cattggccaa tgacaaatga	60
atagacaaaa cagcaaataa ggttgcaaaa gtagcccaaa caaactagat ttcggttacg	120
aattttccat ctttcaaaac aatgaatttg ttagagctc tgtgccattt attgcaacta	180
aaatgaatat gcaattaaac aatcagagat gtattggatt atccccgtgg tatacttttg	240
agttcaccat ttgttttttt tttggggtta aattagtgtc cctactaaaa atcgcattha	300
tcttacactc accattttga taagttatct ctggtcaatc gcaaatacta tgcttctaata	360
taagagttct atgtaaatcc catttaattt tgatcaatct attggtttga agtaagagtt	420
gattttctgt aaagatttat ttggccagtg tagttcggtg tcaaaaaatat attatgatgt	480
acactaaaaa acactaaatt tcaagtcaat ggggaacaca aaactgaatt aattactata	540
tgttggtttg tgcactatth tgtgtcagaa actgatcaat gaaaatgatg gttattatga	600
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt	660
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt	720
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacaca ctagacgtgt	780
acacgtcaa tctcaggtaa agaaagttta tattccatca ctatataaca acaatcaggc	840
tttgcaaaaa aacattttaa actaatactg gtaatatgga aatataacgc ctcgtagttc	900
tacgcacgtg gcatccttta tctatttatt caatttacc ctaatttatg aattagctta	960
ataagagcag tcaaattaac acgggtcaat taatagtact taataatatg aagccgatca	1020
attaaccgat cctttgaata atttgaaaat aaaataaagt aatataaata ggtatgcatt	1080
ttccctacat ttatttctc tttctattht aatttgtht ctaaacagca acaacaacaa	1140
ttgaaattca aaaatggtht ctgtttctaa attattgaac aatggattgt tattagctgg	1200
tcaaagtgtc ttccaagatg ttgtactcc acagcaagct tctgtgcaac aatataacat	1260
cgtcaattct cttggcggtg gtgcccctta tattcaaaga aacggatatg ggatttctac	1320

tgatatccct gctggttggtg aaattgctca aattcaattg tattcaagac atggtgaaag	1380
ataccaagt aaaagtaatg gtaaaagttt agaagcaatt tatgctaaat ttgaaaacta	1440
caaaggtact tttaaagggtg atttggcttt cttaaagat tatacttatt ttgttactga	1500
taaaaacaat tacgaaaagg aaactagccc aaaaaattct gaaggaacct atgccggtac	1560
aaccaatgcc ttgctgcacg gtgctgcgtt tagagccaaa tatggatcct tatacaagga	1620
aaattcaaca ttaccagttt tctcttccaa ttcaggtaga tgttaccaa cttcaagata	1680
ttttgctaga ggatttttag gtgatgactt taaagaagggt aaaactgtca agtttaacat	1740
catttctgaa gatgctgatg ttggtgccaa tagtttgact ccaagaagtg catgttccaa	1800
gaacaaagaa cggagcagta gtactgccaa aaaatataac acaacatatt taaatgctat	1860
tgctgaaaga ttagttaaac caaaccagg tttgaatttg actacaagtg atgtcaacaa	1920
tttattcagt tgggtgtgctt atgaaatcaa cgtcagagga agttcaccat tctgtgattt	1980
attaccaat gaagaattca ttaagaactc ttatggtaat gatctttcca aatattattc	2040
taatgggtgct ggtaataatt acaccagaat cattgggtca gtgattttga attcatcctt	2100
ggaactttta aaagacaccg agaactctaa tcaagtatgg ttatcatttg ctcatgatac	2160
tgatttagaa attttccatt ctgctttagg attattggaa ccagctgaag atttaccac	2220
atcttacatc ccattcccta acccatagct ccattcttct attgttccac aagggtgccg	2280
aatatacaca gaaaaacttc aatgtggaaa cgatgcttat gttagataca ttatcaacga	2340
tgctgtcgtg ccaattccaa aatgtgctac tgggtccagg tctctttgta aacttgatga	2400
ttttgaaaat ttcgttaaag aaagaattgg agatgttgac ttatttaaac aatgtggtgt	2460
caatagtacc taccatctg agcttacttt ctactgggat tataaaaatg tcacttaca	2520
tgctccttta gaattgtaag acatcattag atcaatttag atatccaaac atttattcgt	2580
tattctcttc gtatattatt tatattcttc cttttcttga aaaaaaaaaat agacaattta	2640
tttagacttt ataactttta ctctgtgttg caacaaattg agcattttac acgaaacttt	2700
aaataattga atccttcgaa aaccaaagtt ttattggctg acgggttggt taacatggaa	2760
tatatcactt tctaataact atgtcacacc aacaaatata aatatgagtg tttcagacaa	2820
ataccagaa cttgttagac aatttttctt tcttgatgaa gtgaaggaaa ttttgccgaa	2880
ctatccaaaa tacaaaattt tactgcaaac tcctgaagtc gatcgtgaat actacaaaaa	2940
catcaccagt cctgaattca ttagacaatg gcagccagaa gtccctcaatc actaccgaaa	3000
taactggacc gaagtcactc ctctttgtgc tattgtacat gatagaacca ttgatgccgg	3060

tttgagaatc caaaagtttt tccatccatc catcttaccg aatgaacttc atggcgatgt	3120
ttggatactg gtaaaagaga acaaagaaga actcgatgcc tttatagaaa atgtgcaatg	3180
tcttcaaaat tatgttagag atagctccaa cagtaaatac acttattatc gttgtgagta	3240
ttgcaaaaag aataaaggtg ttaaaaagtaa aaaaactgat tgcaagcata aaattgcagt	3300
acatgctctt gaaggtggaa aatacaaaat agtctggcac tttcagcata accatgcttt	3360
cgatccaaga aggattacaa aggcaaccag aaactggttg atggacttag cttcaacaaa	3420
tataccaagg gcaagttctg acagcaggag atcagtgact aaattcaaac tgagttcatt	3480
tttactttct gacaaattta aaatttccaa caaggatattt aattattata aaaacaaaaa	3540
taaagagagc caggcacatc ttgacaaaaa tgttatcaaa agtttaaaaa tatgggtttc	3600
atatataaat acccttaatg aatttgccgt gtttaaaaag agatcaacaa atactgaaaa	3660
tgntgaattc tgtgacgtgg aaggcgatgc tctgaatcct gagtctacgt ggtattttgg	3720
aattattctt ttgagcaatc tccaatatat gctgagccca caaactgttt tccttgatag	3780
tacacataaa ttaggccacg gccctcacia cgaggacata ataacatata tctttatcac	3840
aaaaagctct ttatctggag gagggatacc aataggttac ttaataacaa atagagagtc	3900
tcatgagccg ttagcatcat ttttgagatt ttttgttgaa aagaaaatac aaatcaaaag	3960
attcgtgata gattgttcag ctactgaaat aaaagctatt gaagaaggat ataatgttgg	4020
tatcattgaa cccacagatg gatcatcaag tgctggtgat aaatttgaag ctatcataac	4080
gttttgcaact tggcattggt tgagagcttt taataagacc attaacaaac ttattacaat	4140
acaaaataga acaataatg agcaaatac cccaaatgaa attatcacag aagttgacgg	4200
agaaatgaca gatgaagaat tcataaatca gatagccact caagggggtt tgacacaatc	4260
aaacttaact gcaggtagga ataaggaaga gataattgca aatcaaagaa ttgctctttc	4320
atatatggta gaattaaaac ggaaaaaagc cattgaagaa gctaatgatt ttttgcatgt	4380
aatcgaagcc acgtttcggg aatacccggg ctttggttgc tacgcccaga aaacattcaa	4440
aaccacaggg aaatactggt taaactgcc a ttttggtaat tacagagaac ttacaaataa	4500
ttgtgtgaaa agttatcacc aagtttttaa aaccaaatat ttcgaaagac gcagaaaata	4560
ccgagttgac cgagtaattt ggatgtttat tgaaccatt gctaagtact atgagtatta	4620
ccattcagct gttattgtta catccctgtt aaggtacatt gataaagctg aagaagcttc	4680
caaactcaaa gcagaagcag tttcagatga ggacatgagg caaatgattg ttgaccttc	4740

aggttatatt gcagttaaat cgttcaatgg atcaaattat tacaagatta gttttggtga	4800
acgtggaatc ttttctgcg aatgtccgta caacgagtat tcaattgatt ggtgcaaaca	4860
cattttctta tataagcgtt ataagggtggc taaaggattg gacataccta ttgtcgagct	4920
tgaaagaaac cctttggctg acttaagtgg tttaaacggg actaatgaga tagttgaacg	4980
agaaacagat actattggaa atgaatcaga agacgaagaa ttagttgata gtgagtcagg	5040
atttaagaat gccacctata atgagagtga ttttggtgac gataattttg attctatgga	5100
aatgatcca gatggtgacg aaccagattt tagtattgaa aacacagaac caactgaagt	5160
atcccaagaa gagaccgaag aagaaattgg tgccaggctt gcacgcgaca gaggatgatcc	5220
tgggttctcc atagatgacg acaatattgg aaacgacttc gaactcgctg actcttctca	5280
agtttttaca gacggtggaa cagcttatta cacacaaaac acagaatcag acccatttat	5340
tgaatggcct ataagtgaaa caattgatct gcaagaaagt gctgatgtta ttttagaaat	5400
cgaaagcata gaaggggttt atgctaagaa agctgctaga aatattaagc aacgggaaga	5460
gaattatagt agtttagata cagagggttaa aagaattcaa gatgaggaga aatctcaaag	5520
ggagaagggt aaaaagctaa gggcattaat taaaaaagaa gagatggaac ataaaaagaa	5580
aatggcggca gtgaatagga ttcaaaagaa a	5611

<210> 17
 <211> 1308
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(1308)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 17	
tggtgccatt tttagaattg atgtctgaaa tagaatatga ggtccagaga agttttat	60
ttgttataca tcattttttt tttttgcttt gtctcacga atattatttg attcctaaaa	120
aattgtaata ccctgtgttg gtttgtgcac tattttgtgt cagaaactga tctatgaaaa	180
tgatggttat tatgagaatg gaaaattttt ccatcacaca tcaggatgatg acagaactaa	240
attatattgt gtagtataat aaagggtatg aaataccaac atcccaggat atcaattata	300
tagaagggaa ggagtttcaa tatatatctt gtgaataata acttcgttct aattcactat	360

tcacaactag gcggtgtacac gctgaatctc aggtaaagaa agtttatatt ccatcactct	420
gaagtcatac attaataatta aataaacaat ctaacactag catgcattca taacctatag	480
atcattctaa acaagctggt aacacaaatc caatcaattg aatttatcat ataatgaagt	540
aacttttttc aaggcaacat ctattctttt attaatctcg acgtctgttt gattaagttg	600
ctctaacatt ttatttagat ccttctctat attttctgca atatcaaaca ccgattgctt	660
tttgtctgaa gttgctggta taccaccact tccgccaatt gtcgtatttc cactgtcctt	720
tgttactgac agattggcac tgacattacc tgaattgttc atgtttgctg ttgaaagagc	780
aggaactgta cttggataag cagccgattc aaaagaagat gtggacatga gtgtcaagaa	840
aatgtgtaga atcagtacaa gactggaaaa cagaaggaac aaagtgaact ggatattgta	900
gttttgttga tagtactcgc gagctttaat tttttttgt aactggcggga atcagatctt	960
atgcaatact caaatccaaa gaaacagtca atccagatga aaggcatgta atcgctagtt	1020
ttcataaaca gaatcatggt actagtcata ttttctataa aaattcaata cttcattctt	1080
tttgttcaat actaactata aatgcttaca aatagattca aatttcaacc agatccacca	1140
cttcattagg ctcaaccaat ttttcataaa tagaaacgtc ttcttcagcc aagcttaatt	1200
gatgggaaac cctagcttgc attgaaggaa aaatacataa tccaaataac aaactgtctt	1260
tcnnaatatt ctcaaaattc gacttcaccg ttttccaacc aagcaggt	1308

<210> 18
 <211> 1672
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(1672)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 18	
cctatcaggt acttccccac ttggattggc ttctgcctct cttcttctcc caaccatcat	60
cccaatatca ttccacccat cgtcttcacg gttgtcgtct tttgttggtg tctcttcttg	120
tttttctagt ttaccactat aaaaatcaat caattcagtt tgttttatgg catcagattt	180
ataaattttt ttaattttat caacataatt atcaacaatc caatcaagat gtaatttatt	240

caatTTTTct tgtaaagaat caccaccacc atttcctatt ccttccattc ttgataatat	300
attccaatta gtttcatgac ataatttcgt taattcatct aaatcattca attggtgttt	360
atcattaata atttgattta tattgatgga aattttatca attaaatttt tagaaatttt	420
agaatttaaa taatttttga ttataggata ttgtaattca tttataaatc taattaaatt	480
agtaattgat ttaataaaat tgttgctctc gttgtctgat acaatttcta atttaatagt	540
atcttccaat tcatcaacaa tcaaactaag ttgttttgaa ggggtggggg tggagtcccc	600
caatattgaa tccactaatt tatcccaatt ttccttatat ttatcgtatg cattcatatt	660
attatgtcca tttttcaata aaaaccgatt gaaatcttgt aaaattgcta tattagtaat	720
agtcaatgga tcaggaatta aaagaatagt taaatattca ttcaattgat taacaaaatt	780
ttcataaagt gaatcgactc gtttcttgat ttgtttatat ataatatatt gagaatttgt	840
atcaatgatg atttgtttaa ataaattatt taaatattgt aaatctaata tactttgtaa	900
tgttttcggt tccccaaat acgtttcaat ttcttttaat ttagaattga tctcttgtaa	960
ttcattcaat tgttgtaaatt tgtcagtaac gatttcaaat ttattattca attcagtaat	1020
tgttaaatca gttaaattgt tactttcagt ggtatttgaa tcttgaggaa tttcttcaaa	1080
ttgttttcgg aaatcattat cattttcaag ggtgttttg tttattttgg ataattgttt	1140
atttatgttc tgttcaatat cttttaaata taattcttga tcttctaatt gttgttcaat	1200
cgatggcatt attggtgttg tataaaaatg gaattttgta aagttgaatg tgttggaac	1260
acttggtgtt gtatgggcgt atattttttg aggagatcaa agcaaaaaat attttgagac	1320
ttatacacgc aacatacaga acagttgttg gtttgtgcac tattttgtgt cagaaactga	1380
tcaatgaaaa tgatggttat tatgagaatg gaaaattttt ccatcacaca tcaggtgatg	1440
acagaactaa actatattgt gtagtataaa taagggtatg aaataccaac atcccagaat	1500
atcaacgagg atagaanggg anggagtttc aattanaata atcctgtnga ataaataaac	1560
ttcggntcc taaattcnnc taataccnac caaaccttag naccgtngta acanccctc	1620
caatcctcca ngggaaaaag aaaangtttt aataatttcc cnatccccga tt	1672

<210> 19
 <211> 690
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature

<222> (1)..(690)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 19

```
tgatacgatt gaatggtgga gacaaaatat ccgatgtggt gaaagataaa attgtactcg      60
aatatcccac aatatatggt gctgcaaagt acgagtgttt acaagataga attatagata      120
gccttcaatt ggccgaggag gaagaagatg acaccactga ctcaagtgag gatgattcta      180
gtgactcaga gagtgatgat gatgatagtg atagtggtag tgaaaccagt agtattggag      240
acggttcagg tgaagataac gattctgatt cggcaccgga agagacatct ctgaaactac      300
cacctttttc acagaaattc tttgaagcgt cagctgagcc aaaaccaata atagaagaga      360
taggatctaa caagactgta gaagaaccat aacgaatgaa tataaaatac ttgtattatg      420
tagtgccaat aaaagttgaa acggtcgcac tacttttttag tcctgttggt ttgtgcacta      480
ttttgtgtca gaaactgata tatgaaaatg atggttatta tgagaatgga aaacttttcc      540
atcacacata aggtgatgac agaactaaac tatattgtat agtataaata agggatatgaa      600
ataccaacat ccagaatat taattatata gaanggaagg agtttaatat atatcctgtg      660
gaataacaac ttcggtctaa ttcactatac                                         690
```

<210> 20

<211> 1912

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 20

```
ctaggtttta attcactatc ataaagatca atggtttagc caaaattaaa atatggaagc      60
caaaacttcc gtggtcaaaa aatgaactaa gaagctaaag tctttttgaa acagtatgcc      120
attatgtttt tcagatgttt ttacttggtt gttatattaa aatccaaagc tctgggtctt      180
atcaagaatt tgtcagtcaa ctcatcatca aatgagtgga tatattactt tcaagaatca      240
tcattaccaa gttgtcaaac gattgctaag caaatgttga agaatactga ttatttcagt      300
tttgagaaac ctaaccccaa agataattta aggagaatca aaatttgaaa gaaaaggatg      360
aaaagttgga gaaagaaacc ctattgaaaa tttaagtact gattgtttca gaaaatcatt      420
gaatatgaaa caacagaaag gatattttac caactaatga acattttcct cccttataca      480
```

ccttaaaata cattaaatcc ttctggaata gttttttctc acaagacatt ttggtgtata	540
acattggtac tattgttgct gtcattgaca ataaggaatg ctacaaaacg tcaaggtaga	600
agctatcgat gttttttcca gctaattgaca ggacaacggt agaaacgaag tgtgcagacg	660
atttggttac aaagattgca agtgtatcaa ttatgctagc atatacctta ttttttcggt	720
gagagtattt ttatcatcgt tggctctgcaa aacttcaaag aaggggtgct atatgtgtta	780
aatgctgaga atcgaacact gtatctcatg gcgataaaat tcaaaatatt gtcgttagta	840
tgagaagatt ttgctgatat ttacttatat ttcacaatgt tcagtaaaga tccttatgac	900
ggtggtacaa tatgggacat gctatctgac acgttgacaa ccactaaaat cagctgttac	960
cgatagagac catacagatt gacgcaacac ataagtatac tcgaaaagct aaccacccat	1020
atcaggcatc aagccaaaaa tcaattttga ctgaaaatgg acgtcattaa ctctgagtcg	1080
ctaaaatcaa ggtatgaaat atttgccaaa gaggaaatcg atcagagtcg caatttctgt	1140
tcaatattca accaaataca attttccaac ctataaatct ccaccatctg tgttatgtgc	1200
tgtcattgag tttgcaactg atatttttgc tatatcttta cgttgcaaaa tatgcggggt	1260
gatgttaaac ttaccgaat tctccgtgta tcacatgtta ttatgccaaa tatgcatatc	1320
taggaaaaca gtctcaacca tctaacacac acattttctc accactgaag ctatgaagat	1380
agcccatcgg ggaacggtaa acgacgtagc gggaaaaatg tgcttaaaag aatatgggaa	1440
aataaacggg tagacgtcat ttcccagtac catattctat tcagtcgaac gtcttcattc	1500
ttatcaacgg gggactggtc cagagacctt tcttatttta ttgtgattca gtagcgtcta	1560
ccatatacaa tgatattgta acttccgac aagtggaaac accgggagct tccaaagtat	1620
ggtatccgaa tataaagcca cccaaaatcc aattcaccac gagctaacac ctggggaaaa	1680
cgaggtgtct aaacctcctc aacttgattt cgagacttcg gtagtaggga agtttaaagg	1740
gcctattaca accacaaaag tggcaccacc accctccatg ggaggtctat taagtacatg	1800
gaaacgcag ctctggttga tacatcacct caatcaaaaa aattggtgtt ccacattcga	1860
aggaactaaa accgacgaga acctatcaca cgggtgctgac gatgataaga aa	1912

<210> 21

<211> 6140

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature

<222> (1)..(6140)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 21

agtaaaaaaa gaagaaaaaa aagctaaaat tgggacaata tgctaagtat atatagggga	60
agacgtcgaa cagcaaccac ggaaaaataa tagtgattgt ctttatccgt tattggctgg	120
atggcgacgc cacaacctga aatttggttc caactgttga ggatgattta tgtttgtgat	180
tagaactaaa atcattcgag aaaaaaggaa taggagagaa ccaactttag tcgtgtaaaa	240
agtaacatct gccattata aactatacgt agtccaaata atttacggta ttttctgtga	300
ccccttcttg gcaatatcac aagaatatca taatgttcat gaaccctctt tgaacacgta	360
gacaagtaaa cccaatgagg gggcagtgtt ctattcttgt aaactgcgca ccaaaaacgg	420
ggcttaaaaa ataagttatg aaaactataa ataaccatga aaatcaccct actcccttcc	480
tcccttccct ccttccttcc ttccttttct cttttcctct acccacta ctcacaatgt	540
tcggtatfff tgaggaaaac tacgattctg ttacaaaagg caaccacgaa gccaagttct	600
ctcacgaagc agttgctggt gctgcttcat ttgctgctgt caagttgttt gaagatagac	660
aaagaagaga agggaaacca gttagtcacg cctttgctaa agaagcttta gctgctattg	720
ctggtggaga agtcgacaaa ttatttgaaa ccaaagggtt ggactatttg gatagagaga	780
gacttagaga tcaagctatc aacaacgctc aaagagggtta cgacgaccat tacggtcaac	840
acgaagaatg gtctccagaa cacagaccac cttttgacta ccaaagatat taagtagaaa	900
ctgtgtagtg aatttacaat ttttttgaca agaattaact taaacctcgt ttttaggttt	960
tgtgcggctt ttgtcaattg acgatcctgt atatttcgtc ataattcaca cattcttaaa	1020
attatgcaca catccttgaa atgtgttaat attcccaaca ttatcaatta tatgtgttca	1080
gaattgggtg caaagttatc aactcaattc acgctatata aaccttaca attctctaca	1140
tttttatatt tttttatatt ggcttttctt ttagaatcaa tcaatacttt ttttatcatt	1200
tagatacatc tttcatctat taatagatta tttttctata tatcaaaaca cgacacagtc	1260
acgtgccaaa aaggatataa gaaggaactt cagaaaatta attttctgat tatactactt	1320
actagatttc ataaagtcaa tatctgattg atacaacttg gttcattatt cataaaaactt	1380
tacaactaat tcnacaagna aaccnacaa aaaaatccna atnaaataat cnnnnnaata	1440
ttataattaa ttaattacaa aaaaaacaa aaaaatacac acacacatac acacacacaa	1500

aatcttgttg caaaaaaaaa aaaataataa taatataata agaattaatt aacaatgtcg	1560
tttccacgga cacattcacc aagaccatct ggttcacgag aacaggaaga tctcacactg	1620
atgattaaag cttttagaga ttcaatggaa gctaagcttg acttgcatte gcagaagctt	1680
actgctttgg tagcaaacat tcccagaacg gacgaagggt ttgaagattt atcacaaagg	1740
atcactgttc ttaaaaatca tcaaaaagca tttttgcca aacaagaaaa agaaatcgga	1800
agtcttctcc acagacaaag agaggaagaa ggtgatatta aggatttcaa aacagtcgtt	1860
ggtgaagaaa aagaagaatt gcaccagggt gaagatttcg ttttaaaaga tcaagaagaa	1920
ttacgaaacg tcgaaaagaa agttttgaaa gaagaagaag aattgcaaaa agtgaagag	1980
tcaatggaaa aggaaaaaca agagttatac caggttgaag actttatttt gcaaagagat	2040
gagacggtaa agaaacttgg agaaagcaat caatctcaac aggaaccata tacacctgca	2100
acttctgggt cggatcagag attcagatct caacaaccta acattggaaa taccttagcg	2160
caggatctag cattaattcc aaaattagat ctggaaattt gcaaaattgc agtcaaatat	2220
ccaaaattat ttgaaacaaa attaagacca ccaccacca gagactttca atataaaatt	2280
caactcacag accacactca aatttattca aaaccatata aatgcaatca agaagaacaa	2340
gctctcatca aggatttcat caatgaaaaa ttagaagcag gcgttttggg accagctcca	2400
attgatgctt ggttacaccc aatatttcca atcagaaaaa ccaatgccaa ccaatcctcc	2460
acaaaaatag cagttgattt aagacgtctc aataagggtca cagtacgaat gtacacttat	2520
ccaacagaca caaaagacct cttatcctca ctaacagatt cccactattt tagcgcttta	2580
gacttaaaga atgcgttcta tcaggtaagc atacacaagg atagtataaa atattttggg	2640
atttcaacat ccgaggggaa ttattgcttt acaactttac cgtttggagc aatcaattcc	2700
ccaaccatct ttactaactt tgtgagacag attttagagg ggatcccatg tatatttata	2760
tacatggatg atatcctcat ccatactaaa accttacatg accacatgtc attactcagg	2820
agaatcatgg agaaactaaa tgagcatcag tttcaaatga attataacaa gatgcaatta	2880
ttaacaacaa aatcaattt cttaggggtac agcattcaag cgaacaaaat atcaccagat	2940
atttccaaaa ttcaagcaat acaaaattgg gaattgcca cgaccactac tcaaatcaga	3000
gcatttgtca atttcagcaa ccactttcgc atcttcatcc cagaaatagc aaaatttact	3060
aatccattaa atgaattatt gaagaacaac aatggtaaaa acataaagat tgaacacacc	3120
caagcatcca ttgatgggta caaggcatta aaagccgcca tcattggatt gccgacgctt	3180
caactttaca atccaaaact accaaccatc attttcacag atgctagcca catggtagta	3240

ggaggatatt tatgtcaacc aacattcaga aatgacaaaag aagtccttgt cccaattgca	3300
ttttcatcac ataaattaac agaaacacaa agcagatatg ctgctatgga aaaggaactt	3360
ttggcaatta ttgtgatatt ggaaaaattt agatatcact gcagcaatac ggtagagatc	3420
tatacagatt atcaaagttt ggcattcatat ttagataaga aaactactcc accaccgaga	3480
attgctaggt ttttagatct aattggatca ttttcccaa aagtgtacta ttttaagtga	3540
aagaaaaatt tcgttgctga tatcattaca agatatcaaa ctcaaaatat taaggaattg	3600
gtagatgaag acaagatact aggacagact tttacagtca agagaaattt gaaacaacaa	3660
ctattaccaa gattggaagc aattgaattg gaaaatctta atgaatcaca ggttcacaaa	3720
atccaaactt cattagaaca acaacaacaa catgatttgg aagacaatga tgaagagtta	3780
cctctccaac tgtttaaatt aatgaatgat gagttatttg taatcattaa caaccaactt	3840
ttaaaatacc ttccaagact ggaatacaat gatatttgtc aaacaatcca tgacaaacac	3900
catccatcaa ctagagtaac agactactta tgcacactcg catattggca tcttgaccat	3960
ctattaattg ctacaaacat tacgagaaag tgtcactatt gtcaactaaa cacgtcaatt	4020
cgtgaggcca ttagaccata ccgaccactt gaaccactca aggcathtag cagatgggga	4080
atggactact ctggaccata ctttaacaca gtccaacaca ggtacatatt agtagccgtg	4140
gaatatgtca ctggtttaac tattgcagta ccaacattgc acaaagacgc agataacgca	4200
atcagtcttt tacaatcaat cattctgatc atgtcagcac ctacagaatt agttacagat	4260
caaggtaaaa aaattttcat cacaagcttt ggctacccta tgtgaccaga ataacataca	4320
acaccatatt acctccgcc accaccacg tgggaatggc cgggttgaga aggtgaacca	4380
cctattgaag aaaatattga aagcattaac taacgatacg atgcaagact gggatttaaa	4440
actatatgac gctttaagaa tctacaatgc tacacctaca atttttaact acactccact	4500
ttatcttgca cttggaattg aaccacacca taatttaaact caattacaaa aagatttaact	4560
tgaaaatttg caaaaagaat tgccccaga ggtccaatcc acagaagaac acgaagaaaa	4620
cccaaatgat gaacaacaag aagagggcag agaacaacaa atttcaagag aagaacaaca	4680
ggacggcaga gatcttgtac acttaagaat ttacgaattg gaagcaatta agaaagctcg	4740
caagttacac acaaatttga aaacacgaag aaacgcagtc caaaatatgt taaaggaacc	4800
atatggcatt ccagcacttt ttacaaaggg acaatgggta tacagaatta gagctaaagc	4860
acgaaaatat gaatcaaatt ttgatggtcc atatcaagtt caagaagtat taggttaaagg	4920

tgcttataaa ttgagagaca tcaactggaag agaaaaagga atctacaatc aggatcagtt	4980
gaagtttagca tattcagcag acaacgatcc aatacagggtt tttagttctt ttaataaaga	5040
atatgatcga gtacaacaaa aattgttaga caaaattcaa tcagaaagag atcatcaatt	5100
aaattgtttg tcagtccaac atttacacag acaaagaagg ttactcgata tatccagctg	5160
tcttgagcaa attctgcaat aatttcgcta atcattggag gaaagggtag atgacgatcc	5220
tgcataatttc gtcataattc acacattctt aaaattattc acacatcctt gaaatgtgtt	5280
aatattccca acattatcaa ttatatgtgt tcagaattgg ttgcaaagtt atcaactcaa	5340
ttcacgctat ataaacctta caatttctct acatttttat atttttttat attggctttt	5400
cttttagaat caatcaatac tttttttatc atttagatac atctttcatc tattaataga	5460
ttatctttct atatatcaaa acacgacaca gtcacgtgcc aaaaaggata taagaaggaa	5520
cttcaactgaa atgcaatcac ttgcattat tcaagatctt tttctattgt ggctggtttt	5580
tggtgattgc tatgtttggt ttttttttgc tggaacacaa gcaaccaaatt ttttcaactg	5640
ttacgtcaca catttactgt cacactcact tactggcaca caaagaacaa agcaatcatc	5700
cggcgtaaac ttttggctct tgagatgcaa aagttgcaaa gcaattggca cttctactaa	5760
gatggttcca gtaaaaattg tgttttatag tacatcaata atcaaacaat acttaatgat	5820
gtaacaatac cttaaaaagc cccactata tttctttttt ttttaagttt gctatataat	5880
ttattatgtg ttattattat tgacttaatt gttagcattt tattgcttga gatcgtttgc	5940
ttgtcactcc acctgaaga aaatttgaat aattgctatt aatttattta tttcttggac	6000
acaccccgta ttgtcgtatg ggtataaatt ccgtttcatt tctcctccct atttcatatt	6060
tcataacttc ttaaataaat attcaaacca actccaaatt ataaactatc aaacaaagaa	6120
acaaaaaac acacaacaca	6140

<210> 22
 <211> 916
 <212> PRT
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 22

Met	Ser	Phe	Pro	Arg	Thr	His	Ser	Pro	Arg	Pro	Ser	Gly	Ser	Arg	Glu
1					5				10					15	
Gln	Glu	Asp	Leu	Thr	Ser	Met	Ile	Lys	Ala	Phe	Arg	Asp	Ser	Met	Glu

20	25	30
Ala Lys Leu Asp Leu His Ser Gln Lys Leu Thr Ala Leu Val Ala Asn 35 40 45		
Ile Pro Arg Thr Asp Glu Gly Phe Glu Asp Leu Ser Gln Arg Ile Thr 50 55 60		
Val Leu Lys Asn His Gln Lys Ala Phe Leu Pro Lys Gln Glu Lys Glu 65 70 75 80		
Ile Gly Ser Leu Leu His Arg Gln Arg Glu Glu Glu Gly Asp Ile Lys 85 90 95		
Asp Phe Lys Thr Val Val Gly Glu Glu Lys Glu Glu Leu His Gln Val 100 105 110		
Glu Asp Phe Val Leu Lys Asp Gln Glu Glu Leu Arg Asn Val Glu Lys 115 120 125		
Lys Val Leu Lys Glu Glu Glu Glu Leu Gln Lys Val Glu Glu Ser Met 130 135 140		
Glu Lys Glu Lys Gln Glu Leu Tyr Gln Val Glu Asp Phe Ile Leu Gln 145 150 155 160		
Arg Asp Glu Thr Val Lys Lys Leu Gly Glu Ser Asn Gln Ser Gln Gln 165 170 175		
Glu Pro Tyr Thr Pro Ala Thr Ser Gly Ser Asp Gln Arg Phe Arg Ser 180 185 190		
Gln Gln Pro Asn Ile Gly Asn Thr Leu Ala Gln Asp Leu Ala Leu Ile 195 200 205		
Pro Lys Leu Asp Ser Glu Ile Cys Lys Ile Ala Val Lys Tyr Pro Lys 210 215 220		
Leu Phe Glu Thr Lys Leu Arg Pro Pro Pro Pro Arg Asp Phe Gln Tyr 225 230 235 240		
Lys Ile Gln Leu Thr Asp His Thr Gln Ile Tyr Ser Lys Pro Tyr Lys 245 250 255		
Cys Asn Gln Glu Glu Gln Ala Leu Ile Lys Asp Phe Ile Asn Glu Lys 260 265 270		
Leu Glu Ala Gly Val Leu Val Pro Ala Pro Ile Asp Ala Trp Leu His 275 280 285		
Pro Ile Phe Pro Ile Arg Lys Thr Asn Ala Asn Gln Ser Ser Thr Lys 290 295 300		
Ile Ala Val Asp Leu Arg Arg Leu Asn Lys Val Thr Val Arg Met Tyr 305 310 315 320		
Thr Tyr Pro Thr Asp Thr Lys Asp Leu Leu Ser Ser Leu Thr Asp Ser		

325	330	335
His Tyr Phe Ser Ala Leu Asp Leu Lys Asn Ala Phe Tyr Gln Val Ser		
340	345	350
Ile His Lys Asp Ser Ile Lys Tyr Phe Gly Ile Ser Thr Ser Glu Gly		
355	360	365
Asn Tyr Cys Phe Thr Thr Leu Pro Phe Gly Ala Ile Asn Ser Pro Thr		
370	375	380
Ile Phe Thr Asn Phe Val Arg Gln Ile Leu Glu Gly Ile Pro Cys Ile		
385	390	395
400		
Phe Ile Tyr Met Asp Asp Ile Leu Ile His Thr Lys Thr Leu His Asp		
405	410	415
His Met Ser Leu Leu Arg Arg Ile Met Glu Lys Leu Asn Glu His Gln		
420	425	430
Phe Gln Met Asn Tyr Asn Lys Met Gln Leu Leu Thr Thr Lys Ile Asn		
435	440	445
Phe Leu Gly Tyr Ser Ile Gln Ala Asn Lys Ile Ser Pro Asp Ile Ser		
450	455	460
Lys Ile Gln Ala Ile Gln Asn Trp Glu Leu Pro Thr Thr Thr Thr Gln		
465	470	475
480		
Ile Arg Ala Phe Val Asn Phe Ser Asn His Phe Arg Ile Phe Ile Pro		
485	490	495
Glu Ile Ala Lys Phe Thr Asn Pro Leu Asn Glu Leu Leu Lys Asn Asn		
500	505	510
Asn Gly Lys Asn Ile Lys Ile Glu His Thr Gln Ala Ser Ile Asp Gly		
515	520	525
Tyr Lys Ala Leu Lys Ala Ala Ile Ile Gly Leu Pro Thr Leu Gln Leu		
530	535	540
Tyr Asn Pro Lys Leu Pro Thr Ile Ile Phe Thr Asp Ala Ser His Met		
545	550	555
560		
Val Val Gly Gly Tyr Leu Cys Gln Pro Thr Phe Arg Asn Asp Lys Glu		
565	570	575
Val Leu Val Pro Ile Ala Phe Ser Ser His Lys Leu Thr Glu Thr Gln		
580	585	590
Ser Arg Tyr Ala Ala Met Glu Lys Glu Leu Leu Ala Ile Ile Val Ile		
595	600	605
Leu Glu Lys Phe Arg Tyr His Cys Ser Asn Thr Val Glu Ile Tyr Thr		
610	615	620
Asp Tyr Gln Ser Leu Ala Ser Tyr Leu Asp Lys Lys Thr Thr Pro Pro		

625	630	635	640
Pro Arg Ile Ala Arg Phe Leu Asp Leu Ile Gly Ser Phe Ser Pro Lys	645	650	655
Val Tyr Tyr Leu Ser Gly Lys Lys Asn Phe Val Ala Asp Ile Ile Thr	660	665	670
Arg Tyr Gln Thr Gln Asn Ile Lys Glu Leu Val Asp Glu Asp Lys Ile	675	680	685
Leu Gly Gln Thr Phe Thr Val Lys Arg Asn Leu Lys Gln Gln Leu Leu	690	695	700
Pro Arg Leu Glu Ala Ile Glu Leu Glu Asn Leu Asn Glu Ser Gln Val	705	710	715
His Lys Ile Gln Thr Ser Leu Glu Gln Gln Gln Gln His Asp Leu Glu	725	730	735
Asp Asn Asp Glu Glu Leu Pro Leu Gln Ser Phe Lys Leu Met Asn Asp	740	745	750
Glu Leu Phe Val Ile Ile Asn Asn Gln Leu Leu Lys Tyr Leu Pro Arg	755	760	765
Ser Glu Tyr Asn Asp Ile Cys Gln Thr Ile His Asp Lys His His Pro	770	775	780
Ser Thr Arg Val Thr Asp Tyr Leu Cys Thr Leu Ala Tyr Trp His Pro	785	790	795
Asp His Leu Leu Ile Ala Thr Asn Ile Thr Arg Lys Cys His Tyr Cys	805	810	815
Gln Leu Asn Thr Ser Ile Arg Glu Ala Ile Arg Pro Tyr Arg Pro Leu	820	825	830
Glu Pro Leu Lys Ala Phe Ser Arg Trp Gly Met Asp Tyr Ser Gly Pro	835	840	845
Tyr Phe Asn Thr Val Gln His Arg Tyr Ile Leu Val Ala Val Glu Tyr	850	855	860
Val Thr Gly Leu Thr Ile Ala Val Pro Thr Leu His Lys Asp Ala Asp	865	870	875
Asn Ala Ile Ser Leu Leu Gln Ser Ile Ile Ser Ile Met Ser Ala Pro	885	890	895
Thr Glu Leu Val Thr Asp Gln Gly Lys Lys Ile Phe Ile Thr Ser Phe	900	905	910
Gly Tyr Pro Met	915		

<211> 3470
<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 23

gtatatttca agacgttatt tcttgtgacc cttggatgac tactcaaaat acttgacagt	60
tcaaccact atgcaacaaa tctgatgcta ctgccgaaat tatcgaattc atcaatcatt	120
gggaaaagtt ctttctggga aatggcaatt accatacgaa aattctccgg tcggataatg	180
gaggggaatt cttaaacaaa acattgacta cctatcttga ttcaaaatat attactcacc	240
aaacctccaa tgcctatgaa catcatgaga atggcgctgc agaacgagct attagatcgg	300
ttaaagacat ggctcgagta atattgcttc aatccaaatt accagtgccg ttttggcccc	360
tagcaaccgc atgtgctgcg tttgttatga atcgtcttcc tcataaaaca ataatggta	420
agattcctta tgaagtatgg actaaacaac ttgtcaatct caaaatgatg aaaccgtttg	480
gctctcaagt atatgtgaaa attcctattg gagtcaaaag tttttctgca caagcacttt	540
ctggaatcat ggtgggatat gccactaata agaaaggcta ccttgtatat gatcccacac	600
aaaatcgaat attcacatcc tcacaaataa tatgtcatcc gagcatttat ccagcagcca	660
accttacgtt taacgaacct ttaattatct catcgaaagt cacggctgct catcttcacc	720
cccttaccat ttccaattta gttattccac ctaccaatgc tgtatctgag acacctcttg	780
caaattgtgt gctctctca aattcgtcag tatgtcccaa agtttgccaa ttacaaactg	840
tcttgaaca tggggaggat aaaatatatg cactgattat accaatatcg atcggcaata	900
tgaaacgcac aagaacaaat gaaaacaaaa tatgccagct agatgaatcg aacaatacca	960
ccataccaga tagtgtaatt ttatcggcta acaatgtgtt attaaactta gaatcgagat	1020
cttccattcc caaaagttat aaggaagcta taacatctaa tgaaaaatcc aatgggctg	1080
atgctatgga tagcgagttt aattcattac aatccaacaa cacgtggtca cttgaaccac	1140
taccggaggg acgcaaagct attggtgtca aatgggttta tacaatcaag gacaccggtc	1200
gctacaaggc tcgccttgtg gcacttggtt atcgacaaca ggctgggtgtg gactttctcg	1260
aaacgtatgc tcccgtgatt cgtggagaat caatcaaact aatctttgca ctgcgtcaa	1320
aatccaaact aaagattcat tccatagatg ttaccacagc tttcctcaac ggggaaatac	1380
tggaactcat atttgtgaaa caacctccgg gatatgaaga taagaagcgt cctaatactg	1440
tttgtaagct caatcgcagc ttatatgggc ttaagcagct gccactaatg tggaacatta	1500

aattaaatga tgtacttata aaggaaggtt tccgtcgact tgggtggtgac ttagggatat	1560
acattagtaa ggacaaaaga acaataatgg gagtttatgt tgacgacatt ctcatttgtg	1620
gaccttctga cagtgaatt gaacaagtaa agaacaacgt gagaaaatac ttctcaataa	1680
ctgataatgg attatgccga aaattccttg gaattaacgt ctatcaacaa gcaaatgaaa	1740
taagattaag tttgaatgat tatataagga gaatgattga ggagttaaaa ttatctgtct	1800
cagaaacaaa ccagtatct ataccatctg atgtcaatta tgaaatattt aaagttaacg	1860
aaatgatga tgagaaacca tgtgatcaaa ccaaataccg aagtttgata ggcaagctct	1920
tgtttgccag taatactata aggtttgaca tcgcctattc tgtcaactcc ctatccaggt	1980
ttatcaacga tcccaaagaa aaacattgga ttgcagctgt caaggtggta aaatatctca	2040
gtggtactca acggtatggt atttgttata acggtaacgg tgacttgaat atttacgctg	2100
atagtgattg ggcttccact ccatctgac gaaagtctat tacggggtag attgttacct	2160
atgctggagc gccgataagt tggcgttcca agaagcagaa cgtgatagcc ttgagtacga	2220
cagaagcgga gtttatggct ctcacagagt ccataaagga agccctttgg ctaatataca	2280
tttttcgaga tattaatgtg atattgaaat taccaattgt gatatatgaa gacaacctac	2340
tgtgtcagaa attacttgaa aatcctcgat tccataatag gacaaaacac attgacttga	2400
aatataaatt taccaaagac catatagaag ctggtacaat caaagtggaa tcaactaatt	2460
cagcagataa cttagccgac atgctaacta aacctttacc aaaaattaaa tttaaacatt	2520
taagatggct agcaggatta agacctttag attgattaga taatgataaa atgaaataaa	2580
gattaatttg gagatgcagg ttgatgggga ggatgttga aaaatgaaat atgatcaatc	2640
ctgcatctag aacctgtggc agaatgaaac ctacgagatt atgaatgact tgtgaataca	2700
agttgaatgt tacagaatgt taccaagaag gttacacttg aatatatgaa tgactagaaa	2760
gtgaattgaa tgttacagaa cctgaataac aatgttacac gaatgtgtga atgatatgag	2820
tttatctata gtaatgtgac atatacacia aggtgtgaat gaccgagaaa acagatgtta	2880
cattacgggc actggagagt gcaagtctaa agaatcttgg agtagaaata agtaatataa	2940
aaaggaccaa agattcttta gagaaaagta aatgaaacta tattagattt tatataacta	3000
actaacaat aaataaaaaa tataatatgt ctacaatgcc accaacttcc aaacgtacta	3060
gaaagagaac tagaaccgat gataatgctg aaccaactat tcaagatcct tcaccgccac	3120
ttgctaattgt tgaaccaca attcaagaga ctccaccgct gggtgaagtt agtgatgaga	3180

ctaattcaac tgaaatcaat gagacaaata gtaatactca tgaagaaaca aatgtattaa 3240
 ctaatgtgca ctctctcca atcgagacag ttactgagag gaacttcaat tttcaacaat 3300
 aataatattg gttggattta cacgtacgtt gttgttacaa agacgtgagc agagtgagag 3360
 agatcaacct tcatattcaa tctcatctca atcaacgctc aatTTTTTTT tcttctccct 3420
 ctctttgttg ttttaactaag tttgttcct tccatccaag caagttagaa 3470

<210> 24
 <211> 748
 <212> PRT
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 24

Met Ala Arg Val Ile Leu Leu Gln Ser Lys Leu Pro Val Pro Phe Trp
 1 5 10 15
 Ser Leu Ala Thr Arg Cys Ala Ala Phe Val Met Asn Arg Leu Pro His
 20 25 30
 Lys Thr Ile Asn Gly Lys Ile Pro Tyr Glu Val Trp Thr Lys Gln Leu
 35 40 45
 Val Asn Leu Lys Met Met Lys Pro Phe Gly Ser Gln Val Tyr Val Lys
 50 55 60
 Ile Pro Ile Gly Val Lys Ser Phe Ser Ala Gln Ala Leu Ser Gly Ile
 65 70 75 80
 Met Val Gly Tyr Ala Thr Asn Lys Lys Gly Tyr Leu Val Tyr Asp Pro
 85 90 95
 Thr Gln Asn Arg Ile Phe Thr Ser Ser Gln Ile Ile Cys His Pro Ser
 100 105 110
 Ile Tyr Pro Ala Ala Asn Leu Thr Phe Asn Glu Pro Leu Ile Ile Ser
 115 120 125
 Ser Lys Val Thr Ala Ala His Leu His Pro Leu Thr Ile Ser Asn Leu
 130 135 140
 Val Ile Pro Pro Thr Asn Ala Val Ser Glu Thr Pro Leu Ala Asn Cys
 145 150 155 160
 Val Leu Ser Ser Asn Ser Ser Val Cys Pro Lys Val Cys Gln Leu Gln
 165 170 175
 Thr Val Leu Glu His Gly Glu Asp Lys Ile Tyr Ala Ser Ile Ile Pro
 180 185 190

Ile Ser Ile Gly Asn Met Lys Arg Thr Arg Thr Asn Glu Asn Lys Ile
 195 200 205
 Cys Gln Leu Asp Glu Ser Asn Asn Thr Thr Ile Pro Asp Ser Val Ile
 210 215 220
 Leu Ser Ala Asn Asn Val Leu Leu Asn Leu Glu Ser Arg Ser Ser Ile
 225 230 235 240
 Pro Lys Ser Tyr Lys Glu Ala Ile Thr Ser Asn Glu Lys Ser Lys Trp
 245 250 255
 Ala Asp Ala Met Asp Ser Glu Phe Asn Ser Leu Gln Ser Asn Asn Thr
 260 265 270
 Trp Ser Leu Glu Pro Leu Pro Glu Gly Arg Lys Ala Ile Gly Val Lys
 275 280 285
 Trp Val Tyr Thr Ile Lys Asp Thr Gly Arg Tyr Lys Ala Arg Leu Val
 290 295 300
 Ala Leu Gly Tyr Arg Gln Gln Ala Gly Val Asp Phe Leu Glu Thr Tyr
 305 310 315 320
 Ala Pro Val Ile Arg Gly Glu Ser Ile Lys Leu Ile Phe Ala Leu Ala
 325 330 335
 Ser Lys Ser Lys Leu Lys Ile His Ser Ile Asp Val Thr Thr Ala Phe
 340 345 350
 Leu Asn Gly Glu Ile Ser Glu Leu Ile Phe Val Lys Gln Pro Pro Gly
 355 360 365
 Tyr Glu Asp Lys Lys Arg Pro Asn His Val Cys Lys Leu Asn Arg Ser
 370 375 380
 Leu Tyr Gly Leu Lys Gln Ser Pro Leu Met Trp Asn Ile Lys Leu Asn
 385 390 395 400
 Asp Val Leu Ile Lys Glu Gly Phe Arg Arg Leu Gly Gly Asp Leu Gly
 405 410 415
 Ile Tyr Ile Ser Lys Asp Lys Arg Thr Ile Met Gly Val Tyr Val Asp
 420 425 430
 Asp Ile Leu Ile Cys Gly Pro Ser Asp Ser Glu Ile Glu Gln Val Lys
 435 440 445
 Asn Asn Val Arg Lys Tyr Phe Ser Ile Thr Asp Asn Gly Leu Cys Arg
 450 455 460
 Lys Phe Leu Gly Ile Asn Val Tyr Gln Gln Ala Asn Glu Ile Arg Leu
 465 470 475 480
 Ser Leu Asn Asp Tyr Ile Arg Arg Met Ile Glu Glu Leu Lys Leu Ser
 485 490 495

Val Ser Glu Thr Asn Pro Val Ser Ile Pro Ser Asp Val Asn Tyr Glu
 500 505 510
 Ile Phe Lys Val Asn Glu Asn Asp Asp Glu Lys Pro Cys Asp Gln Thr
 515 520 525
 Lys Tyr Arg Ser Leu Ile Gly Lys Leu Leu Phe Ala Ser Asn Thr Ile
 530 535 540
 Arg Phe Asp Ile Ala Tyr Ser Val Asn Ser Leu Ser Arg Phe Ile Asn
 545 550 555 560
 Asp Pro Lys Glu Lys His Trp Ile Ala Ala Val Lys Val Val Lys Tyr
 565 570 575
 Leu Ser Gly Thr Gln Arg Tyr Gly Ile Cys Tyr Asn Gly Asn Gly Asp
 580 585 590
 Leu Asn Ile Tyr Ala Asp Ser Asp Trp Ala Ser Thr Pro Ser Asp Arg
 595 600 605
 Lys Ser Ile Thr Gly Tyr Ile Val Thr Tyr Ala Gly Ala Pro Ile Ser
 610 615 620
 Trp Arg Ser Lys Lys Gln Asn Val Ile Ala Leu Ser Thr Thr Glu Ala
 625 630 635 640
 Glu Phe Met Ala Leu Thr Glu Ser Ile Lys Glu Ala Leu Trp Leu Ile
 645 650 655
 Tyr Ile Phe Arg Asp Ile Asn Val Ile Leu Lys Leu Pro Ile Val Ile
 660 665 670
 Tyr Glu Asp Asn Leu Ser Cys Gln Lys Leu Leu Glu Asn Pro Arg Phe
 675 680 685
 His Asn Arg Thr Lys His Ile Asp Leu Lys Tyr Lys Phe Thr Lys Asp
 690 695 700
 His Ile Glu Ala Gly Thr Ile Lys Val Glu Ser Thr Asn Ser Ala Asp
 705 710 715 720
 Asn Leu Ala Asp Met Leu Thr Lys Pro Leu Pro Lys Ile Lys Phe Lys
 725 730 735
 His Leu Arg Trp Leu Ala Gly Leu Arg Pro Leu Asp
 740 745

<210> 25
 <211> 1550
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature
<222> (1)..(1550)
<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 25
gtgttggtt gggtttgaat ttctgtataa ctcaatttgg agattttttt tttttttttt 60
ttgaaatttt tattagtcgt gtacattggt acaattgttt ctcttcccc tttttttttc 120
ctttctttgt ttgttttgt ttaccttgtg ataattttat acgtgttgag agggctctcg 180
tcgtgcccgt gtccgtttcc gtttccgtgt cctgttgggt cccctccgcc catgccgcac 240
cgcaccgtac ggtaatgata tctgattggt gttggagcgt tcttcgctaa caggttcttt 300
ctttttgttc aggggtttcg aaagataatg tagaaacacc agggcttata actgagagtt 360
agagtagtgg agattagtag tagtagtaca atcctatagc ccaaacatta ttggagagat 420
cttaccaaat agcaatcatc atgatgtatt tactactaca taaatnattt aagacgacat 480
ttaccagcaa taaacaacat gaccaactaa ttaacaaaca ttgaaaaac ataaagtaat 540
tagaaagttt aaaaagtgtg caaccagtgt ggaaaaagaa tggaattgga attgaacaaa 600
gttattaatt actgaaaaag gaaatttaat ttcttgaaag gcaaattctt gtttgttttt 660
ttttttgggt cttttctttc atttaataag cgtgggggat taatagataa tgatattggt 720
gttgttattg tgatattggt gtgaaatttg acatatgata agataagttt ctttcttttc 780
tttcaactag tataattgaa ctaaagacca ccaccaccac caccacatag ttagcaacct 840
gatatgctgt tcatgtaaca gtaaattatc ttggtactat accacttggt gtaatatagc 900
taatgctaatt tcttgattag tgtggaaagc ctaataaggt tatattgtgc acagggttaac 960
taccttaata tagttattgt taatacagtt attgctgttg actactattg ttattgttaa 1020
attaaagtgt taggttgagt taattgatta gtgaaaacca actaactacc gtattaaatt 1080
attgtattaa gattgattcc tattaaggat aaaacagaga gtgtgttaga aagagaaagg 1140
gtggattata aatatgtgta aaatccccct tagagactaa ccactagaaa tctattgatg 1200
gtttcatata tagagattaa cgattatatt tataatataa gttggtagtt gctagtatat 1260
ntgaaagcac tacagtatag tatgtcagaa tcagatcatt taaactctac taataataca 1320
ggaaacactt tcattagtct agatcaagcc agtacaataa tggcagatca aactcaagga 1380
gctaaccac aacaatgata attcatcttt ttgtcaaga cgatagttaa tgttacaagc 1440
acttttattg ggctcgaaat agtggtaaatt agggccata ggatatgacc tgttacaagt 1500
ttatttcgat gatcnagccg gcctctgtga ttacggcaat tatttttacc 1550

<210> 26
<211> 2132
<212> DNA
<213> Unknown

<220>
<223> sequence of retrotransposon from unknown organism

<220>
<221> misc_feature
<222> (1)..(2132)
<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 26
tttttaaaag aattaattaa atatgatgga tgatagaaat taaaggaaaa agaagaagaa 60
caaaacaaaa gttaaattga aaaaaaaggg agaaatgaat attgaattat tcagctttta 120
tattgctgat agatgttgaa aaaaaaacgg aagaatgggg atagcaaaac tgtgggtgag 180
attaactcat ctatggcgct aaaagtcttt tttttttctc ttttattagg gggcacataa 240
attattcttt tcattgataa tcccagatcc gttttttggt cattattcgg aatatattac 300
cgtattggga acgataatta ttattagttc tcccgatgg ttcgattttg ctggtgcaaa 360
aatataaatc cgatataact ttattggtgc ttgataaat ccgttttata agttggtaga 420
catatacagg atgataataa tttacggat ttataagttg gaatcatttg gatgaatccg 480
cttggggagg cgttttccaa ttttagaagt ttaactatca attttatgtg acatccgagt 540
atacacattt tgtgaatttg atcttgtaaa ctacttgggt gtaccatggc atttataaca 600
acactttcta gaatcggctg agttacatgc atttctcta tttgtagatt aatggaaatt 660
catgaaatcg ttcacatttt tttctataat gagtatcgtt cggtttccat aagtagggga 720
ctaaaaaata attgatatct ctaatcagt acagctctag tcaacttgac cgtaatgttt 780
tgacgaccat tatatttctt gtttgaacta ttgatttatg agtggtgtcg taacaaaaga 840
tcaattcccg tcaaaacgca tttggcactt aatctttgat tgaaccgatt ttgatctcaa 900
aacatagtac caaggtcaat tatgttcgct aatgaaagaa agctgtgacg aaaacctcaa 960
attcatgaag aaagaattac tgttgtggaa aataaaaaag tctttcttct gatactttac 1020
aagtcctca accacaaata caaaaatgaa agttacccat cgatcttttt cattgggttaa 1080
gaattaatac gagaatatca aattatctta gagaggggtct cacagagcaa ctttctgagg 1140
cacacggtca ccaacatgat ttgttataaa aaattcaacc aaattttgga aaaaatgaaa 1200

acaaaacaaa acaaaatctg aaacatcccg aaagtcacaa atgcttgatt acttaaaatt	1260
acttatttgc ttcaagacgc tattattatt attatgacat aatactactt gaataacagt	1320
gaactgtaat tgtattaaga acaaatcata acaaaggaag atgatgacga tgatgatgac	1380
cccttgaaat atcccagggc acatgcattg tgatgattgt tgtaatatag ctaatgctaa	1440
ttcttgatta gtgtggaaag cctaataagg ttatattgtg cacagggttaa ctaccttaat	1500
atagttattg ttaatacagt tattgctgtt gactactatt gttattgtta aattaaagt	1560
ttaggttgag ttaattgatt agtgaaaacc aactaactac cgtattaaat tattgtatta	1620
agattgattc ctattaagga taaaacagag agtgtgtag aaagagaaag ggtggattat	1680
aaatatgtgt aaaaatcccc tttagagact aatcactaga aatctattga tggtttcata	1740
tatagagatt aacgattata ttataatat aagttgtag ttgctagtat atttgaaagc	1800
actacagtat agtatgtcag aatcagatca tttaaactct actaataata caggaaacac	1860
tttcattagt ctagatcaag ccagtacaat aatggcagat caaactcaag gagctaaccc	1920
acaacaatta ccatattata tgaagaagac tataacaaaa ctgtagatag taggggattg	1980
ggatatttccg ggggagtaga agtattgggg ttatctaagt ccattcttaa ccaccaaca	2040
atccaacaac aaccaacna cgtttttccc caattctcng gagatnactt gattaacttn	2100
aaatttttcc ntggccaaaa aatttccttt tc	2132

<210> 27
 <211> 1734
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 27	
aataaccaac cagctgctca tttttagatg tatgtatttt ataggaaaat tgaataactt	60
gttattacta tggcctgttt tctaaagcca agttgtttct tcttatattt tttttttcta	120
aacaccgttt gttgaagatg gctttatccg tatactattg ggcgtcgatt ttcgcacaaa	180
agcttttatc cacggaatat ttgcgataat atagtacaaa agtgtgttct agtcttgtaa	240
atgtccaata ttttttagtac aacgatggaa acccgatatag cgcagacaca gtttgatag	300
atttacgtag gtgatgagga gttaaattga atattcttgt ataatttcaa gagctgtgac	360
tactatttaa attttttcca cttcactttc tttctcttct ttgacattca agttagtctt	420
tctgtatttg aataatacta catttatcat gtctcacgtc tcaattgtaa ctggtgcttc	480

tagagggtacg ttttaatgaa caaaatctat gatgttgaga cttccaattt gaacttttagt	540
actaactcaa ataaaggcat tggtaaggct atcgccgaaa ttctttttaa aactccatct	600
tcaaaagttg tgattgttgc tagatctcaa gctccattgg aatctttcca aaagcaacac	660
ggctcggaca gagtagcatt tgttgctggg gatattacag atccagcaac gtctaagact	720
gctgttgaaa ctgccatctc caaatttggg caattaaatg ctgtcatgtt gtaatatagc	780
taatgctaata tcttgattag tgtggaaagc ctaataagggt tatattgtgc acagggttaac	840
taccttaata tagttattgt taatacagtt attgctgttg actactattg ttattgttaa	900
attaaagtgtaggttgagt taattgatta gtgaaaacca actaactacc gtattaaatt	960
attgtattaa gattgattcc tattaaggat aaaacagaga gtgtgttaga aagagaaagg	1020
gtggattata aatatgtgta aaatccccct tagagactaa tcactagaaa tctattgatg	1080
gtttcatata tagagtttaa cgattatatt tataatataa gttggtagtt gctagtatat	1140
ttgaaagcac tacagtatag tatgtcagaa tcagatcatt taaactctac taataataca	1200
ggaaacactt tcattagtct agatcaagcc agtacaataa tggcagatca aactcaagga	1260
gttaaccac aacattttgt agtcgtaaac ttgaaattca aagagaaggg ggggaattaa	1320
attgggtgca acgtgtttgt caaaaatttg gtgtgaaaaa aattaattta acactctgca	1380
ttgtaccata gggaatataa taccagaaa taagagaaat tatcacgtga gactaaaact	1440
aaatataata aattaatatc acaattgaga aagacactga aactaacttc ttggtgtatt	1500
aattttcaac acttgatcac aagtgcggggg attaatacata attgcaaaga gtgtgttaga	1560
aagagcgaag gtggattatg aatattggag aatcctcttt agagactatc cgctaacaaa	1620
atagatgaac ttgctcaaca gaaacaacta atcgactaac tgactaaaat taatatacta	1680
agtatagatt aagttatcac gttaatatcc tatactatcc atctccatca cttt	1734

<210> 28
 <211> 5734
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(5734)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 28

gagattgtag tgaagaattc agctcattat tactgttttg tcgttgctgg aaggaggagg	60
gataattcaa tgcgccacaa cagtgttact atgcatgtgg ttctgactga ctgatattgt	120
ttaaaaatta accagctctc aaataacaaa agtttaaatt ttcaagggtt gtaaaccatgg	180
cagctagtag taggatgggt cataatatta attaattatt agtaataatg gctaagtttt	240
tgaagcattg ttttaaattt tcaaattgaa attcaatttc attacaaatg gattactaac	300
ggaattccta agctcaactg aataccgtga ttgaaacatt tgaatttgta tcttttagat	360
tagctatttt tacttttttt gtcattgtag ttgggtatga taattacaag aaactaaagt	420
ttaatatatt aatattcatt ttcttttttg gccaaacttg aaataacaca caaacccaaa	480
attaaataat tagatttaat gcatgcataa ttacacagaa tgtttagcct taacaagtat	540
tctagaaaca agaaagaaaa aatgtcgtct tggcgtttat ctttaattgta ttctgtaaac	600
tgggttaatt cttatttcca acttttcatt tttttggatc ttgtatggaa taaaaattaa	660
atatggtatg ttttaggggt gtattaacaa tacttacaat tatcaatcat acagctttac	720
tatttttatt tatcagcaaa taggggaatt caagttgcat gtgttattca gtggcagtga	780
atcataaaac agccaacttg cagcttattt cactccagga gcaatcatca cggaattccg	840
tttcccatct cattttcata ctctgtggat tatgtataga ggctatttac aatatcacca	900
agcagtaaaa cattctctcc tcaaaataac aataagatta gtcaagatga acgacttgaa	960
tctattcata tgcattacac atttagtttc tattacaaat agtgatgcaa tggtgcaaga	1020
ttacgtcttg tctgcactaa ctatttgtaa cgatgattat gtgatcaaga attggaattc	1080
ttattatatt cagtcgtgag tgtaagctat ttcgttaggg ttatcttaac tcgaagttaa	1140
agttccaaaa ctattccatt tggagtttct gttgttgaga aatacaaaat actcttcttg	1200
gtggggagga aatccattaa tgattataaa atgaaactct tggtaacctt attgaaacac	1260
cacattcagt acattttcaa ccgtcactat tattattgtg gcaaattggat taaacaatag	1320
acctaactta atctaattga aattttaaat ccatgaaagg ggtgaaaatt tgaaatcaaa	1380
ataactatct gaactgaaat accccatgga tctgatattt tatacaatct atcaactaaa	1440
caggaagag tacctggaat tccaaatgac aattcctatt ataattattt aaacagacta	1500
tgccgtattg tttgtgacat tcattgtttt ccacaactct aatgtcaaatt tttgttatt	1560
gtcatgtaat cccggtgttt cttttttctt ttcggtgttg cgttccatga tattttgtta	1620
tctcttgttt agattgagat aaagaattgg ttagcagtgt agccatttat gagtggtttg	1680

taaaaacaag aattacaagg tttgaatgaa ttccaggcag gcagtattat aaaacctcga	1740
aataactaat caaaccatca gaaaagaaag cttactatga tgtactgctt aatctcatat	1800
ctatcttaca aacttaattc actgattgtg gcttgccgt gaataattcg gaaaccttgt	1860
ctttttcggg ccagtagggg gtgccatagt cttgggtggg gacaaaaaa aaaaaaatta	1920
tagttggggg ggtgggggtg acgtctgagt aagtcagggg aatgaactca agacaaaaat	1980
agaagttcta aacatggtac gttctgctaa gtaatatcat cgatctatct attttgctct	2040
aaattttcat aagcaaatcc agaacttctt cgtcagtttc aatttcaagc atacgaaggg	2100
atagtgatta aattatattt tgaaccttct attactgatt aagtgttctt attagtctac	2160
ggattagacg gttagaatgg gatttncaaa agcacaaagg tcaagactta taggaaattc	2220
atagaaaaaa cactctgaag tactcgatgg ttggatatat aatagttttg ctaatttaaa	2280
ctcttgctgt tcggctaagc tattgtacc aaatgcggta ctccgatagt cttataaata	2340
atacttggca aaagttcaat aaatatatgt caatggtatt gctttccaat taccattgac	2400
gaggttgtaa attaattcat acttaggtga catcgattaa tttaacaaat atgtctgttt	2460
caacgcttac atcatcagtc ttgcaggaaa aatgttattg ccacgacacc tcaaattagc	2520
ccaacccctt cgtctaccaa aacaatgtca aaaaccact taaaagaagt cggacaaacc	2580
tgaacccggg attttataaa gtagttttgt gaataatatc agtacaacga ttacactttc	2640
cgtctcaaga ctggaagttg caaagccatg acaattgtc aaccaaagt gaatttttag	2700
gttccatagt cttgatcggg taatgtaaac actttaactt ttagtaaag ataccaccaa	2760
gaagaaagca ctattttaag ctttatttaa cactatacat tggaaaataa aaaagtggct	2820
atgagaatta aacaagatga ccgagtaatt aaaatagtc tgcgggtgtt aagcaatacc	2880
gctagggttc aatcaattaa gtgctgcttt tttttgtcgt tgtatttcca ttctccact	2940
cctttcttta ctcttgcaat ctaacatatt ttttttaaaa agaaaacata ttgatactta	3000
catgtggtaa ctattgtctg attcatcaat tccgtcttc aatctcgggtg ttccggataat	3060
ttcgatgaaa ttataattac ctgcgcgaat tctagaaatt cttttttttt cttttctttt	3120
tctcggagtt ggttccaata caaagattga attgaattag gtgagaagaa gaagagtctt	3180
aacaccagat gtattacagc tttaaacttt gtttctaatt tgaccacaaa aagttgtctg	3240
gacgcctcag tttgaaatta gttttgggag atttctgttt tctcattggc cttactctat	3300
ggaagttttt atacaagagc ttccttctaa aattaactct ttgtgttgta atatagctaa	3360

tgctaattct	tgattagtgt	ggaaagccta	ataaggttat	attgtgcaca	ggttaactac	3420
cttaatatag	ttattgttaa	tacagttatt	gctgttgact	actattgtta	ttgttaaatt	3480
aaagtgttag	gttgagttaa	ttgaatagt	aaaaccaact	aactaccgta	ttaaattatt	3540
gtattaagat	tgattcctat	taaggataaa	acagagagt	tgtagaaaag	agaaaggggtg	3600
gattataaat	atgtgtaaaa	tcccctttag	agactaacca	ctagaaatct	attgatgggt	3660
tcatatatag	agattaacga	ttatatttat	aatataagtt	ggtagttgct	agtatatttg	3720
aaagcactac	agtttagtat	gtcagaatca	gatcatttaa	actctactaa	taatacagga	3780
aacactttca	ttagtctaga	tcaagccagt	acaataatgg	cagatcaaac	tcaaggagct	3840
aaccacaac	acattcttct	tgtaaaatta	attctattat	aattcaggtc	ttagtcgacg	3900
caaaatacca	tggtgcaatt	gtccgtaaac	aattatacaa	caatttaacc	aatgcaacat	3960
caattgaaat	caagaattca	acacttgaac	atTTTTcttg	ttttcagatc	tcgtcaaaac	4020
accagtcaat	aaagcttgga	aagttttagc	acaaccatca	aagtagaaaag	cctaacttat	4080
aggttcgaat	tacgtgaatt	ttggtttcac	taatcacgcc	ccaaaaaaat	tcanaaaagc	4140
ttagtatgta	acatttattg	caaatttttt	attgttcgtc	ataaatgata	attagtaaatt	4200
gaggttacag	aatagttatg	ttttacttca	taaccaattc	tactattttt	ttttgtatta	4260
taacctcgga	taacacaaac	aaaaaaaaag	tactactacc	aattaatgtt	tagtagattc	4320
tacacaaact	tgataatgcg	ggagttattt	ttttttgaag	ccactttatt	ttcagccgac	4380
ttatctagct	acgagacaga	acaatactta	gcactaattc	ttaaaattcc	atactatttc	4440
tatcattcaa	aatgcatttt	aacaatcaat	tgtcaaattg	gaatgcaaca	aagtcctgaa	4500
tttataaaaa	aaagtagatc	attgatgcaa	aaagtgaatt	ctttggaaaag	ctttactttg	4560
aaccgaaagg	agaaggcaag	tcgtgcaaca	agttattatt	tcgtgtacag	tatccaattt	4620
tggtttttcg	acactaggtc	tagactccag	aaacaaagtc	ctaataagaa	aggtgttcaa	4680
aaacaattta	atTTtagtaa	aaaaacacaa	cctgcatttc	gcaatttatg	accaaattga	4740
gtagctaat	tatagggcat	caacaataat	atccagcctc	acacaaatca	gaaacagtca	4800
tataacaact	cgaatgcaaa	tatcaagact	atgttatgat	aagagtagtt	gggccaataa	4860
gataaaacag	aaaaagaaaa	ttttatattc	tttaaattct	tgggtgacag	atcagctcca	4920
attctcttga	aattggcaca	aatacttcgt	cttttttcat	tcatcagtat	atcacgtgta	4980
gaattgatgc	tgatattcaa	aaattacccc	taaagttgct	tatcaacgca	acttaagatt	5040
tcatacaagt	cgataacgaa	tctgaatttc	agcttgctct	tagattaaac	aaaatggtag	5100

attcaatcaa ttagataacg ccaaataaca tttgatgttt tgcggcaata tttggatggg	5160
gtcaactagg agaaaattga ttccccgcca tatctcataa gcctctagct gtccactttt	5220
ctaaataatt gatatggatc accacattgg ggtctaaatg aaacaacgta acccgaaaac	5280
gtgtcaaatt cggaattcgt atgtataatt caaacaatac aagaaatatg gagaaagcag	5340
atacacacat acacactcaa agagcttggg agaataacaa taacttgata taatacgtac	5400
tattcataca caattactta attgatttgc aatcattcct aaaaaaattc tcttttattt	5460
tttttttaat tggtaatatc ggtggtatac aatgatttac ctagttaaac aattgaaaac	5520
aagaaagtat aaaatttctt catttatattt gcttaccctc taccttggtta attacaccga	5580
tgtgagtttg gaaatctgat aatcccagaa attggatcta attggntcat atttagattt	5640
caacaaatca taaacagttc tagactccat gtatttcttt tgggtgtgtgt atatttttgc	5700
caatgtctcc aaagcaaattg gaactcgtca cttg	5734

<210> 29
 <211> 1875
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(1875)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 29	
cctccggccg ctaattacaa ggctgcttta tattgttata ccttggggta aatgcctct	60
ggcattgagc tatttccaat tccacttcg gtattttttt ttacagcctc gttagacgag	120
ttcttgatat tactaaatta gttgtttact gagtggcctg atggttcctc gtcactctag	180
tttttggctc atataagggg cagaaatttc ccttctcctt aggtccatca agtcaagata	240
tacattagtt ggtagcatcg tatggaattt tcgtatgaac ggcataccaa gtattaattt	300
ccgatcgaaa ttttttagga cgtcttgata atcaggacaa acatcatgaa aggtctatac	360
gacgaaagtt tactttacac aaggggagac catatgtctt ctttattaac aactagttat	420
atagcgaaca aataagttta tacagaaata tatgtacaca aacaaagtta ttgtttatta	480
attatttaat tagctcggaa gaataactct gtgatactgc atacattcaa acaaaatcaa	540

tctagtttcc aacatctttt tcacttggtg atgtaattat tcttggtctg gcaccgacaa	600
tgggtattgt tttgtagctg gaggactaat atgggggtacc acctcaattt ttggatccca	660
gctcccacgc aggggtggct tctgatctaa ctactttcg aaaatatcct gatagtttcc	720
aattaattca gcaaaatagc tcttgtttgt acccttaacc aatgacatga tatccttttt	780
attatcacgc ataccacctg tgtcttcgtc ttgttgtaat atagctaagc ctaattcttg	840
attagtgtgg aaagcctaata aagggttatat tgtgcacagg ttaactacct taatatagtt	900
attgttaata cagttattgc tgttgactac tattgttatt gttaaattaa agtggttaggt	960
tgagttaatt gattagtga aaccaactaa ctaccgtatt aaattattgt attaagattg	1020
attcctatta aggataaaac agagagtgtg ttagaaagag aaagggtgga ttataaatac	1080
gtgtaaaatc ccttttagag actaaccact agaaatctat tgatggtttc atagatagag	1140
attaacgatt atatttataa tataagttgg tagttgctag tatatttgaa agcactacag	1200
tatagtatgt cagaatcaga tcatttaaata tctactaata atacaggaaa cactttcatt	1260
agtctagatc aagccagtac aataatggca gatcaaactc aaggagctaa cccacaacac	1320
gtcttcttca gtattagga acaacatact aacttgacct tttctagctt caaccaaaaa	1380
ttcctctata tccattaatg gaatttcac aaactgagca gccccaaaaa acgttttgct	1440
tccaaagtct aaatgagcat ggaatttcct tatgaaaggt ataccaagta ttaatttctt	1500
atggaagctg tccactacag caaaattctc ttggaatgta ataccattaa actggaactt	1560
gaggttaatt atttggttaa agtttctggt gatttttggt ccaataaagt acccaaacta	1620
ctagagctcc aacaacattt tcagaaaatg gccataata caataagtgg gtatatttta	1680
tcaaaagagt ttatattatg gttactcgac ggggtattatt ctctggtgga ttaaggcatc	1740
tgggcgaccc agtgggacca aaattccaga gtagtggttt gggttaggac tttaccaagg	1800
nccatgatta gggaatattn taaccaaaaa attaaaatta ccatttaatt cnaaaaccta	1860
acctaaattc cctaa	1875

<210> 30
 <211> 1712
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature

<222> (1)..(1712)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 30

taaccatgga attcctngaa ttantnataa ttaaccaaatt tttttagggn ttattaggac	60
ctaggattga attccatggt tatttaataa ttaancccca gtttggccaa ctatgaaata	120
gtataatggt taaatgcaaa ataaatatag tatgaacaat atgatagttt tagtgtgaat	180
tttgaataag aaaaagaagg gataaggata tttttactag gaaactcaat tataattact	240
aatgataaaa actccatcag ctactattat tactcaaatt ttaaatacatt tgtttatcac	300
ctacacaaac agggattgtc caatattgat tactaaaatt agaacaata agagaatata	360
attgaagtta aataattctt ttactaaatc tattgaccaa gaactacatc aagggaagt	420
gttgcataata catctaattg ttattcttgg ttagagtatt gatacaaaat tatatcatca	480
ccaacgaatc acattaaggg aaagtgttgt gcatatacct gatgcttagt cttgggttaa	540
gtatttgtgt gaaagggttat cgtgaccaa gattatagta agggaaagta ttatgaataa	600
atccaatgtc tactttttaca gaagtattga catgagagat tataactatc aagaattgca	660
ttaagggaaa gtgttgtaat atagctaatt ctaattcttg attagtgtgg aaagccta	720
aaggttatat tgtgcacagg ttaactacct taatatagtt attgttaata cagttattgc	780
tgttgactac tattgttatt gttaaattaa agtgtaggt tgagttaatt gattagtga	840
aaccaactaa ctaccgtatt aaattattgt attaagattg attcctatta aggataaaac	900
agagagtgtg ttagaaagag aaagggtgga ttataaatat gtgtaaaatc cccttagag	960
actaaccact agaaatctat tgatgggttc atatatagag attaacgatt atatttataa	1020
tataagttgg tagttgctag tatatttgaa agcactacag tatagtatgt cagaatcaga	1080
tcaattaaac tctactaata atacaggaaa cactttcatt agtctagatc aagccagtac	1140
aataatggca gatcaaactc aaggaggtta cccactacag gttatgagcc tcgcccgtt	1200
attgaattta gataatatag gggcaatgaa agcttttgaa agtggtgatt ttctgaatc	1260
attaaaacta gaatccaaga ttaattttca agtggtgaga aatgaaatcc ttagatatgc	1320
acgtggtatt ggtgctgagt ttgaaaactt tgtattgaat gaaactccag ctcacctgta	1380
tgatcttaga ttgggaaata tgcttcatca attattgatt cgcactgtga aagaaaaagt	1440
tagaatgcct aggcaagaac ttggaaaatc aggaaaagaa ctttatcttg atcttattaa	1500
atcattcggg actcaatacc catacgataa atttgagata gttaaatact attgggatca	1560

gttaacaaac cctttaatta atgtgaagag acgttttgaa attgaagaag tatgggttca 1620
 atacattaat gctcaaactg caacagagag agaagttctt aattcatttg tttggttaca 1680
 tttgtcaaaa tctatattac cacaagagta cc 1712

<210> 31
 <211> 1540
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(1540)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 31
 tgtggaatta agatgacttt gtgattaaat tgttgacttc ttttaagcctt ttaatgtgga 60
 ggaaaaagaa aaatctataa ttaaaaaaaaaaaa aaaagataaa gcagataatt ctttgatctt 120
 tatatacttg gtctatatgt agtaggggaa agtcggagtc ggaatttgaa aaaaaaagag 180
 aaaaaagaac gaatatttag actgtaaaat tcaaaccctt gctgattagt atataaaaaa 240
 aatgagttca tttttccttt cttttttttt ttttcgcgcg gatagcaacg gtcattaagt 300
 taacgagata aaaaagaaac aaccagataa ttatgaaaag ttgtgatggt gtcacgtgcg 360
 aacatgagag tcatgaattt tgacgaaaac gtcaagcttc agttttacaaa agacctcttt 420
 attaaaatcg aattgcttat agggtcgctc atgatgagaa ggtgtatggt gtaatatagc 480
 taatgctaatt tcttgattag tgtggaaagc ctaataaggt tatattgtgc acaggttaac 540
 taccttaata tagttattgt taatacagtt attgctgttg actactattg ttattgttaa 600
 attaaagtgt taggttgagt taattgatta gtgaaaacca actaactacc gtattaaatt 660
 attgtattaa gattgattcc tattaaggat aaaacagaga gtgtgttaga aagagaaagg 720
 gtggattata aatatgtgta aaatcccctt tagagactaa ccactagaaa tctattgatg 780
 gtttcatata tagagattaa agattatatt cataatataa gttggtagtt gctagtatat 840
 ttgaaagcac tacagtatag tatgtcagaa tcagatcaat taaactctac taataataca 900
 ggaaacactt tcattagtct agatcaagcc agtacaataa tagcagatca aactcaagga 960
 ggtaaccac aacatagaat acgttttcaa ctacttaagt atccactaac ctaaattttt 1020
 tttttaataa aatttcattg tattagtctt tcttactgct tttaatcaac tataagtata 1080

ggtttccggtt ttttttgcag taaaatttat cgttcaggag aaataacaaa atgtacacga 1140
 cttattcgca gcattttttt tttgttttg ggtttttgta tcaaattggtt acaacaacaa 1200
 caacaacctc aattcttaac caaatctacc cctcctattt tttttncnca tacacacaat 1260
 acatcttaca ctatcttttg ataggcttta tngaagangt atttanggng tgtaatgaca 1320
 atctgcttaa cncatatatn tatntannng nngtngtcaa caatagcttt atctactttt 1380
 tttttttggn nacnccngna acttcaggnc cacnnntttg ccnattttgg ggcccnatt 1440
 nggaaaacat gggnatggg annacagctt ttttaggnn naaangggtt ttnccntttt 1500
 tgggtgggctt ggaaagnaac agcntntaaa nnaatgggct 1540

<210> 32
 <211> 2025
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(2025)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<220>
 <221> misc_feature
 <222> (1)..(2025)
 <223> sequence of retrotransposon from unknown organism

<400> 32
 tggggagcaa atgtgaaatt aaagagtgtg gtgatatgta attttttttc aaaaaagatt 60
 ggattgacga agcattatat attcgtctaa aaaccatttt tgctgggttc gcaataaatc 120
 tcggagatta tttctcgatt accaatttat gttgttttgt gacatttctt atattttgtt 180
 ctattttaca cgactattta ttgttaataa atatgtcacc taaagaatat ttctatttag 240
 ttttacatat gttttttgac gacaatcaac tattacaaat taacctacat tttttaattt 300
 gaatatatac aatttatatt gaattaacat taccatttag tttttgataa gaatagattg 360
 cgctatttca aacatttggt aaattattta ttgtgaaaca actatgtaga ataaaagtat 420
 gaacaaatc tacgttcac atgtggggtg tgccttcata tatatctttg gatgagaatg 480
 ccaagaaaaa tgatggcgtg acaattcaat acggcaaac aaactaatcc cctctaagat 540

tttactagtg tgtttcccta tegtctgagg aaaaggtaac aaaacatcgt ttaaccaatt	600
ggtgtttgtt acgatggtga cggtgagtag tgcatatagt tgcaacggca aattgcatcc	660
agcgagttaa cagcgaatgg caaagtgaag cctccgactt gtgttcattg actactggga	720
ttggactggg aataacgact taactaatta atgttctcgt ggactcgttt agctagaact	780
aacatttgtt ataatatagc taatgctaata tcttgattag tgtggaaagc ctaataaggt	840
tatattgcgc acagggttaac tcccttaata tagttattgt taanncagtt attgttggtg	900
actactattg ttattgttaa attaaagtgt tagggtagt taattgatta gtgaaaacca	960
actaactacc gtattaaatt attgtattaa gattgattcc tattaaggat aaaacagaga	1020
gtgtgttaga aagagaaagg gtggattata aatatgtgta aaatccccct tagagactaa	1080
ccactagaaa tctattgatg gtttcatata tagagattaa cgattatatt tataatataa	1140
gttggtagtt gctagtatat ttgaaagcac tacagtatag tatgtcagaa tcagattatt	1200
taaactctac taataatata ggaaacactt tcattagtct agatcaagcc agtacaataa	1260
tggcagatca aactcaagga gctaaccac aacagcattg attatataat catctatgta	1320
gccaatatac actaccgtcc aaactccac tacacacttg taacagtgtt ttacaaatct	1380
atgaacgaat aaccgattca aatgacacaa taaagaacat ttcaccgatt tgaattgcta	1440
atcggtacta taatattgat ggaagggttaa gagtttaatg ctaccctagg tttaccggag	1500
atcaacagtt gcatatacaa aacgtgttat ctgtctacga atggctttct atgtgtataa	1560
aatgtttcat caattgataa ttaattatta atctgcttac tgaggtaaac cccttttaat	1620
gcaatagcaa atatgaggta tttttttgct attgacatgc gtatatgaat ccatttgtat	1680
caaattgccg atataatgaa atggaaatta agggaaaaaa aaaagtttat atccaaattc	1740
atgcgattaa caggttcttg tgattataat tggtaacccc ctcccccta aaactcatat	1800
ctgccaaaag aggaggatat ttgaatatgc tattatgaac ccattgatt ttgactacaa	1860
ttggatttgt egggtattga aacccaaaca tattataatt tgctatgcgt ttaaatcaac	1920
cgtttactgg tagatcctat actataaata cagccaacaa tcccccaattg ttcagataaa	1980
gtaacactca atatcatttg atcaatcaat caagaggatt acaaa	2025

<210> 33
 <211> 3583
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<220>

<221> misc_feature

<222> (1)..(3583)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 33

aaaannttcc ccatngccta ttcctaggnc ccaaaaccag ttgtccgaaa ctccatggat	60
gccagaagtg gtggctctcc gccgttatgg ttggaaaaga aaaagaaact tgacgaattg	120
aaagtcaaag aagagcggca agaaagaagg aagaaggggc aaagaaaaag gaagaagagg	180
caaagaaaaa ggcagaggaa gcgaagaagt gttttatttt acttttctgt caaat ttgca	240
ctacttttaa tttgtgtgca aatattctat tttacttgat ttttatatac ttttatttta	300
caatactttt ttataggact ttttatatct tttctttatc aactgttcgc tatagggtag	360
gtcttccaag ctaattttac ccgacacaag atgaaatatt ttctgttgag cactcgttgt	420
cgacagtga aatttttcac tcaagaaaat attttatcat cactttttct agaagggagg	480
ttcaagtgtt ggagaataga cagcgaacac ctgatattcc caaggtcgaa ttagattgaa	540
agataaataa tagtcatatt tattttgtat ttagtcaata aattatcttt ttatatttaa	600
attcttagta ttgtcatacc acgtagattg atacggacat acttagcaca tttaacatat	660
attaagcacc gattacctgt gacattccgg agtttactgt ttcgcgcacg ctggcagacg	720
aacatcaact catcttttat acaatatatt cttacgatta taactttcaa ttaagaaata	780
caacttctta ttagcattct cctacaagtt cttaagttcc taggaatttc ttcgaaacta	840
taattaaaga cggaaaagtg taaaacaaac agaaagcaga ggaggccaag aagaaagcag	900
aggaggccgc cccacaaaag tttgacaact ttgacgactt tattggcttt gacatcaacg	960
acaataccaa cgacgaagac atgttgtcca acatggacta cgaggaccta aaattggacg	1020
acaaagtacc tgccaccaca gacaacaact tggacatgaa caacatactt gaaaacgacg	1080
agctgatact agacgggttg aacatgacat tgctcgacaa tggcgaccac gtaaacgaag	1140
agtttgatgt agacagcttt ttaaaccagt ttggtaatta ggggctctgt tctacaagac	1200
atatacagat agtgcaggaa taagaaaaga aatattttat atagctatat atttcaagtg	1260
tttattctgt tcaacaagtt ctaaccgtag atacacaaaa tcaccaagtc agacattact	1320
gagctagctt aacgggtcaa ctactttaaa ttgcaatccg ttctttactt gagtcagtcg	1380
actctacaac aactatcctg aggtgattat tttttggtgg aaattttgac caaattctta	1440

agcaaaaatc tagtttctac tgataaataa atacacattg ctctacttct gtactccaca	1500
ctctgctatt gcttgatagc catccttaaa tcaacagaat ccactaatc tgctacttcc	1560
agaaccatga ctactctaca tttttaacca tctcaattaa ttaccatctt tttctctcat	1620
tatttggcac tatggccgag ttggtctaag gcggtagact caagaattat tttctctctg	1680
cgatccaggg gtttctacta tcgtaagatg caggagtctg aatctccttg gtgtcattat	1740
ttttttttt ccaagaacct ctcatTTTTT tttttcaaaa attatttcta caatttcctc	1800
tattcttaaa aatctttggt attaaactaa aaatgtacct aactaaacta ctaggctgga	1860
aaataataaa tctaacgta acgaaataag caaaagtaat tttttttttt caagacaatt	1920
ccatgtttgg ggatgaaaac tgccctgcaat tatatatcct gtaacaatcc ccttatatca	1980
acaacaaccc gagaacaaca aaaagtccac tggcagaaac cttaccacca atattctcaa	2040
tttgtgtcac tgattgggca gtttgtgtcg atatccatga tgtggtcaaa ctggcagcag	2100
tggtagatgg ataaacactt tcagcagcaa cagtaaccga gttgacaact tccttagcag	2160
cttgtgtatc acactcttca tcatcatccc agctatcatc ctcatcgtca cactctgggt	2220
caggagtttg atcatcttca tcatcgtagc catcttcacc agggcaaaca taatcgttac	2280
cagatccacc ccaccagctt ccagacgatc caccagtaac tgaagaagaa ccggaatcac	2340
ctgaactaac accagaactg gatccagaag tagtaccacc acttgatcca gcaccagaac	2400
cccaccaaga gcctgtgcca gatccagaac ttgatccacc tgttggcaca cattcgccat	2460
catcttcttc ataccattcc cattcaccat catcagagga gccactggca gaaccaccgg	2520
cattgtcttc cccttcatag ccatcatctt ccagtcac tcggatagaca gtgtgtgtgg	2580
taataacagt cacagtcgtg gtatatagct gtccacctgg agcaacagtt gtcagtggac	2640
atgtggttgt gattgtcaac gtaacagttt catcacagat ttcaccagat tgtgtgagat	2700
aagtggtaaa tgtctgacca ccaccagtat atgtgataga aacaacttcc gtttcagtat	2760
gttgattagt ggttgagggt aattttgtgg tgagtgtttg agttgttggc accccatcgg	2820
aagtaaagt tctagtgggt gacacagttg gatggatagt aggaatttca gtttcacaat	2880
cagtctcgtc atcgtcgtca tcagaagtgg ttgactttgt tgggagaaca gtaatagatc	2940
ctgaccaggt tggaataata gttggaagaa cagacgttgt tggaagaact gaccacttg	3000
gaatgatggt tggaacgtct gtctcacaat cagtctcaat tatcttctgt agtggtttt	3060
tgaaacaact gacgagacac ttgtcttact ttgactggtg attggaaggg ttggaattgt	3120
aggacaaaaa tttggggctt ccattggatc tttacactct ccaccactgc acaactttaa	3180

tttggaaacca caactggaac tagtttctgt ttcaaggctt taccagttga cctgatcgta	3240
ataagccacg gggttaccaa cttgttgcac cttcactgat cagccatcaa tctttgataa	3300
gccctgattt ctctcatcta tgcaacaatc ttctattgtg aatcatttgt tttgctaaac	3360
ttgtagtggg tgtccaaaaa aaaaagtgat gtaaaattta aatttttctg aacttgctgt	3420
gtaaaaaagt ctccagaaaa agggacaaca cacacaccaa tttttcacca taccacacaa	3480
ttcaccaata agctctctca tatccatcna ataattacag tacagcctcc tattcncaat	3540
ttttggnatt taaaccagtt cccttggcag gtcaccagtt cat	3583

<210> 34
 <211> 770
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 34	
tgatttgaga aataccattg aagatctaga gttaaaaata aggaatttgc atgtacatga	60
ggataatcaa gcggtcatta caatcttaaa gaatgataat ttccaccacac atagaccgat	120
tgatatatgt taaaaatttc tcagacaaaa attgaaagat ggattttttt caatatcata	180
tgttgaatct ggagataatt tagctgactc attcacgaaa gctttaggaa gaaataaatt	240
gattgaacat accaaaagga ttagagaaag aaaggattat gataataatg ctacactgat	300
agtggacgtt aggacgctcg aagagattaa gataaacaag aaattggtac atcattaatt	360
aatttagctg ttacctgaa tcaggggagt gttcgctata gggtaggtct tccaagctaa	420
ttttaccga cacaagatga aatattttct gttgagcact cgttgctgac agtgaaaaat	480
tttcactcaa gaaaatattt tatcatcact ttttctagaa tggagggttca agtgttggag	540
aatagacagc gaacacctga tattcccaag gtcgaattag attgaaagat aaataatagt	600
catatttatt ttgtatttag tcaataaatt atctttttat atttaaattc ttagtattgt	660
cataccacgt agattgatac ggacatactt agcacattta acatatatta agcaccgatt	720
acctgtgaca ttccggagtt tactgtttcg cgcacgctgg cagacgaaca	770

<210> 35
 <211> 106
 <212> PRT
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 35

Asp Leu Arg Asn Thr Ile Glu Asp Leu Glu Leu Lys Ile Arg Asn Leu
1 5 10 15
His Val His Glu Asp Asn Gln Ala Val Ile Thr Ile Leu Lys Asn Asp
20 25 30
Asn Phe His Pro His Arg Pro Ile Asp Ile Cys Tyr Lys Phe Leu Arg
35 40 45
Gln Lys Leu Lys Asp Gly Phe Phe Ser Ile Ser Tyr Val Glu Ser Gly
50 55 60
Asp Asn Leu Ala Asp Ser Phe Thr Lys Ala Leu Gly Arg Asn Lys Leu
65 70 75 80
Ile Glu His Thr Lys Arg Ile Arg Glu Arg Lys Asp Tyr Asp Asn Asn
85 90 95
Ala Thr Ser Ile Val Asp Val Arg Thr Leu
100 105

<210> 36

<211> 598

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 36

cttcaatgct tcacttgtag tagtaccat gattgtatag tgggtgtggtt gatcgacttc 60
aatataacaa gagagagatg agatgagatg cttttatcgc gtatatatatt ttttttccat 120
tgacaattct gatttcacaa attgttcgct atagggtagg tcttccaagc taattttacc 180
cgacacaaga tgaaatattt tctggtgagc actcgttgtc gacagtgaaa aattttcact 240
caagaaaata ttttatcatc actttttcta gaatggaggt tcaagtgttg gagaatagac 300
agcgaacacc tgatattccc aagggtcgaat tagattgaaa gataaataat agtcatattt 360
attttgtatt tagtcaataa attatctttt tatattttaa ttcttagtat tgtcatacca 420
cgtagattga tacggacata cttagcacat ttaacatata ttaagcaccg attacctgtg 480
acattccgga gtttactgtt tcgcgcacgc tggcagacga acagattaga agcttggttaa 540
atctttgggtt attcatcacg tcttgagaat aatacaaagt ttaatatagt attttcaa 598

<210> 37

<211> 1082
<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 37

ataaccacaa taatcggcct cgtaaacgtc gtcagtggct caaacacatt gctgcacctt	60
gagctctaga acaacccac actcactagc catcgccaca ccaacaacca aattgctgat	120
ccagaaaaaa taccaccccc gtagtcgggc ttgtatggaa taattgcttg gccaggtacg	180
tccccacctc atcgtgtctt ttctggttga aatatgtcat ctcccgggct aacagtaccg	240
tatctctgtg gctggggcat ctatactctt tcattctcgg cttacaaatc tatcttgttc	300
acacatttca tatatctggg acttgctgaa ctctctgcac tctatcataa actggaactc	360
gcttgcatte tgggacacac actggagctg gaatccatgg tcaggaaatg tgaaaatttt	420
cttctcggga aatatttgtg acaattagtc ctagtacacg atagtttcat tacgcccact	480
aaaagtgtct actgaaactc ggtctctata tcgtcaatat ctttcatttc tcttcctggc	540
ttttcactgc gacttattgt tcgctatagg gtaggtcttc caagctaatt ttaccogaca	600
caagatgaaa tattttctgt tgagcactcg ttgtcgacag tgaaaaattt tcaactcaaga	660
aaatattttc atcatcactt tttctagaaa ggaggttcaa gtgttggaga atagacagcg	720
aacacctgat attcccaagg tcgaattaga ttgaaagata aataatagtc atatttattt	780
tgtatttagt caataaatta tctttttata tttaaattct tagtattgtc ataccacgta	840
gattgatacg gacatactta gcacatttaa catatattaa gcaccgatta cctgtgacat	900
tccgaagttt actgtttcgc gcacgctggc agacgaacac ttatcaaggt gctactcccg	960
cgcatacgtt tcctctgggt tctctttttg atcttgggtga actacotttt tttcccactc	1020
gcgtgagaag ttcaacactt ttttttacc atccacaaaa ctttattctt ttccccacca	1080
tg	1082

<210> 38
<211> 39
<212> RNA
<213> Candida albicans

<220>

<221> primer_bind

<222> (11)..(21)

<223> minus strand primer binding site

<400> 38
gcucgcgugg cguaauggca acgcgucuga cuucuaauc

39

<210> 39
<211> 71
<212> RNA
<213> Candida albicans

<400> 39
uauuccauca gauuagaagu cgauagugau aaucuuuucg ucccaaauua gcguuguaua
aaucagucc u

60

71

<210> 40
<211> 11
<212> DNA
<213> Candida albicans

<400> 40
gaatcaggga g

11

<210> 41
<211> 11
<212> DNA
<213> Candida albicans

<400> 41
aatcagggga g

11

<210> 42
<211> 11
<212> DNA
<213> Candida albicans

<400> 42
atccagggga g

11

<210> 43
<211> 14
<212> PRT
<213> Unknown

<220>
<223> protease sequence of 1731 retrotransposon

<400> 43

Thr Gln Trp Cys Leu Asp Ser Gly Ala Thr Ser His Met Cys
1 5 10

<210> 44

<211> 14
<212> PRT
<213> Unknown

<220>

<223> protease sequence of copia retrotransposon

<400> 44

Cys Gly Phe Val Leu Asp Ser Gly Ala Ser Asp His Leu Ile
1 5 10

<210> 45
<211> 14
<212> PRT
<213> Unknown

<220>

<223> protease sequence of Tnl retrotransposon

<400> 45

Ser Glu Trp Val Val Asp Thr Ala Ala Ser His His Ala Thr
1 5 10

<210> 46
<211> 14
<212> PRT
<213> Unknown

<220>

<223> protease sequence of Ty1 retrotransposon

<400> 46

Gly His Leu Leu Leu Asp Ser Gly Ala Ser Arg Thr Leu Ile
1 5 10

<210> 47
<211> 14
<212> PRT
<213> Unknown

<220>

<223> protease sequence of Ty4 retrotransposon

<400> 47

Lys Leu Val Ile Ile Asp Thr Gly Ser Gly Val Asn Ile Thr
1 5 10

<210> 48
<211> 14
<212> PRT
<213> Candida albicans

<220>

<221> UNSURE
<222> (1)..(14)
<223> protease sequence of pCal retrotransposon

<400> 48

Lys Tyr Leu Val Tyr Asp Thr Gly Ala Thr Ile Ser Val Val
1 5 10

<210> 49
<211> 63
<212> PRT
<213> Unknown

<220>
<223> integrase of retrotransposon 1731

<400> 49

His Lys Arg Asn Gly His Cys Lys Thr Cys Lys Ile Lys Cys Ile Arg
1 5 10 15

Ser Asp Asn Gly Gly Glu Phe Val Asn Asn Val Phe Asp Asp Tyr Leu
20 25 30

Lys Ala His Gly Ile Ala Arg Gln Leu Thr Ile Pro His Thr Pro Gln
35 40 45

Gln Asn Gly Val Ala Glu Arg Ala Asn Arg Thr Leu Val Glu Met
50 55 60

<210> 50
<211> 63
<212> PRT
<213> Unknown

<220>
<223> Integrase sequence of copia retrotransposon

<400> 50

His Glu Arg Phe Gly His Cys Glu Pro Cys Lys Val Val Tyr Leu Tyr
1 5 10 15

Ile Asp Asn Gly Arg Glu Tyr Leu Ser Asn Glu Met Arg Gln Phe Cys
20 25 30

Val Lys Lys Gly Ile Ser Tyr His Leu Thr Val Pro His Thr Pro Gln
35 40 45

Leu Asn Gly Val Ser Glu Arg Met Ile Arg Thr Ile Thr Glu Lys
50 55 60

<210> 51
<211> 63
<212> PRT

<213> Unknown

<220>

<223> Integrase sequence of Tnt1 retrotransposon

<400> 51

His Lys Arg Met Gly His Cys Asp Tyr Cys Lys Leu Lys Arg Leu Arg
1 5 10 15

Ser Asp Asn Gly Gly Glu Tyr Thr Ser Arg Glu Phe Glu Glu Tyr Cys
20 25 30

Ser Ser His Gly Ile Arg His Glu Lys Thr Val Pro Gly Thr Pro Gln
35 40 45

His Asn Gly Val Ala Glu Arg Met Asn Arg Thr Ile Val Glu Lys
50 55 60

<210> 52

<211> 62

<212> PRT

<213> Unknown

<220>

<223> Integrase sequence of Ty1 retrotransposon

<400> 52

His Arg Met Leu Ala His Cys Pro Asp Cys Ser Val Leu Val Ile Gln
1 5 10 15

Met Asp Arg Gly Ser Glu Tyr Thr Asn Arg Thr Leu His Lys Phe Leu
20 25 30

Glu Lys Asn Gly Ile Thr Pro Cys Tyr Thr Thr Thr Ala Asp Ser Arg
35 40 45

Ala His Gly Val Ala Glu Arg Leu Asn Arg Thr Leu Leu Asp
50 55 60

<210> 53

<211> 59

<212> PRT

<213> Unknown

<220>

<223> Integrase sequence of Ty4 retrotransposon

<400> 53

His Lys Arg Met Gly His Lys Val Arg Glu Ile Asn Ser Asp Arg Gly
1 5 10 15

Thr Glu Phe Thr Asn Asp Gln Ile Glu Glu Tyr Phe Ile Ser Lys Gly
20 25 30

Ile His His Ile Leu Thr Ser Thr Gln Asp His Ala Ala Asn Gly Arg
35 40 45

Ala Glu Arg Tyr Ile Arg Thr Ile Ile Thr Asp
50 55

<210> 54
<211> 60
<212> PRT
<213> Candida albicans

<400> 54

His Leu Met Ser Asn His Cys Lys Val Cys Lys Val Ala Tyr Phe Arg
1 5 10 15

Ser Asp Asn Ala Pro Glu Phe Pro Gln Pro Ser Asp Leu Ala Glu Phe
20 25 30

Gly Ile Trp Arg Glu Thr Ile Ala Ala Tyr Ser Pro Glu Leu Asn Gly
35 40 45

Leu Ala Glu Val Val Asn Lys Leu Ile Leu Gln Gln
50 55 60

<210> 55
<211> 63
<212> PRT
<213> Unknown

<220>

<223> Reverse Transcriptase sequence of 1731 retrotransposon

<400> 55

His His Met Asp Val Cys Thr Ala Tyr Leu Asn Ser Glu Leu Lys Asp
1 5 10 15

Thr Val Tyr Met Lys Gln Pro Gln Gly Phe Thr Asp Ala Ala Asn Pro
20 25 30

Asp Gln Val Leu Leu Leu Arg Lys Ala Ile Tyr Gly Leu Lys Gln Ser
35 40 45

Gly Arg Glu Trp Asn Ile Leu Val Tyr Val Asp Asp Leu Ile Leu
50 55 60

<210> 56
<211> 61
<212> PRT
<213> Unknown

<220>

<223> Reverse Transcriptase sequence of copia retrotransposon

<400> 56

His Gln Met Asp Val Lys Thr Ala Phe Leu Asn Gly Thr Leu Lys Glu
1 5 10 15

Glu Ile Tyr Met Arg Leu Pro Gln Gly Ile Ser Cys Asn Ser Asp Asn
20 25 30

Val Cys Lys Leu Asn Lys Ala Ile Tyr Gly Leu Lys Gln Ala Ala Arg
35 40 45

Cys Trp Phe Val Leu Leu Tyr Val Asp Asp Val Val Ile
50 55 60

<210> 57
<211> 63
<212> PRT
<213> Unknown

<220>

<223> Reverse Transcriptase sequence of Tnt1 retrotransposon

<400> 57

Glu Gln Leu Asp Val Lys Thr Ala Phe Leu His Gly Asp Leu Glu Glu
1 5 10 15

Glu Ile Tyr Met Glu Gln Pro Glu Gly Phe Glu Val Ala Gly Lys Lys
20 25 30

His Met Val Cys Lys Leu Asn Lys Ser Leu Tyr Gly Leu Lys Gln Ala
35 40 45

Pro Arg Gln Trp Tyr Leu Leu Leu Tyr Val Asp Asp Met Leu Ile
50 55 60

<210> 58
<211> 60
<212> PRT
<213> Unknown

<220>

<223> Reverse Transcriptase sequence of Ty1 retrotransposon

<400> 58

Thr Gln Leu Asp Ile Ser Ser Ala Tyr Leu Tyr Ala Asp Ile Lys Glu
1 5 10 15

Glu Leu Tyr Ile Arg Pro Pro Pro His Leu Gly Met Asn Asp Lys Leu
20 25 30

Ile Arg Leu Lys Lys Ser Leu Tyr Gly Leu Lys Gln Ser Gly Ala Asn
35 40 45

Trp Tyr Ile Cys Leu Phe Val Asp Asp Met Val Leu
50 55 60

<210> 59

<211> 47
<212> PRT
<213> Unknown

<220>

<223> Reverse Transcriptase sequence of Ty4 retrotransposon

<400> 59

Lys Thr Leu Asp Ile Asn His Ala Phe Leu Tyr Ala Lys Leu Glu Glu
1 5 10 15

Glu Ile Tyr Ile Pro His Pro His Asp Arg Arg Cys Val Val Lys Leu
20 25 30

Asn Lys Ala Leu Tyr Gly Leu Lys Gln Ser Pro Lys Glu Trp Asn
35 40 45

<210> 60
<211> 63
<212> PRT
<213> Candida albicans

<400> 60

Gln His Leu Asp Val Glu Ser Ala Tyr Leu Asn Ala Ser Ile Thr His
1 5 10 15

Ser Asn Pro Ile Tyr Val Phe Pro Pro Lys Ser Val Pro Leu Lys Lys
20 25 30

Asn His Cys Trp Leu Leu Lys Arg Ser Val Tyr Gly Leu Lys Gln Ser
35 40 45

Gly Leu Glu Trp Tyr Leu Gly Leu Tyr Val Asp Asp Ile Leu Met
50 55 60

<210> 61
<211> 24
<212> PRT
<213> Unknown

<220>

<223> RNase H sequence of 1731 retrotransposon

<400> 61

Ala Phe Thr Gly Phe Val Asp Ala Asp Trp Gly Gly Asp Arg Leu Asp
1 5 10 15

Arg Lys Ser Tyr Thr Gly Tyr Val
20

<210> 62
<211> 24
<212> PRT
<213> Unknown

<220>

<223> RNase H sequence of copia retrotransposon

<400> 62

Lys Ile Ile Gly Tyr Val Asp Ser Asp Trp Ala Gly Ser Glu Ile Asp
1 5 10 15

Arg Lys Ser Thr Thr Gly Tyr Leu
20

<210> 63

<211> 24

<212> PRT

<213> Unknown

<220>

<223> RNase H sequence of Tnt1 retrotransposon

<400> 63

Ile Leu Lys Gly Tyr Thr Asp Ala Asp Met Ala Gly Asp Ile Asp Asn
1 5 10 15

Arg Lys Ser Ser Thr Gly Tyr Leu
20

<210> 64

<211> 23

<212> PRT

<213> Unknown

<220>

<223> RNase H sequence of Ty1 retrotransposon

<400> 64

Lys Leu Val Ala Ile Ser Asp Ala Ser Tyr Gly Asn Gln Pro Tyr Tyr
1 5 10 15

Lys Ser Gln Ile Gly Asn Ile
20

<210> 65

<211> 23

<212> PRT

<213> Unknown

<220>

<223> RNase H sequence of Ty4 retrotransposon

<400> 65

Lys Val Ile Ala Ile Thr Asp Ala Ser Val Gly Ser Glu Tyr Asp Ala
1 5 10 15

Gln Ser Arg Ile Gly Val Ile
20

<210> 66
<211> 23
<212> PRT
<213> Candida albicans

<400> 66

Val Ile Glu Cys Phe Ser Asp Ala Ser Phe Ala Pro Gly Leu Asp Arg
1 5 10 15

Lys Ser Ile Ser Gly Thr Leu
20

<210> 67
<211> 67
<212> RNA
<213> Candida albicans

<400> 67

uagggagguc agggucagga gccccccccc ugaacccagg auaacccuca aagucggggg 60

gcaaccc 67

<210> 68
<211> 90
<212> RNA
<213> Candida albicans

<400> 68

ugaaaaacag gugcugcuuc uauuaauugu guaaugaaua uacauaaauug cagcaaaacc 60

acguuuccag uagaaauucu cauucucuua 90

<210> 69
<211> 392
<212> DNA
<213> Candida albicans

<220>

<221> misc_feature

<222> (1)..(392)

<223> sequence of clone SGY-1

<220>

<221> variation

<222> (30)..(30)

<223> 'a' replaced by 'g' in SC5-2

<220>

<221> variation

<222> (172)..(172)
<223> nucleotide 'a' is replaced by 'g' in SC5-1, SC5-2, SA4-1, SA4-2, 759-1, 759-2 and p36 or by 't' in ATC-1 and ATC-2

<220>
<221> variation
<222> (173)..(173)
<223> nucleotide 'g' is replaced by 'a' in ATC-1,ATC-2, SA4-1 and SA4-

<220>
<221> variation
<222> (235)..(235)
<223> nucleotide 'a' is replaced by 'g' in SC5-1, SC5-2, SA4-1 and SA4

<220>
<221> variation
<222> (292)..(292)
<223> nucleotide 'g' is replaced by 'a' in SC5-1, SC5-2, 759-1, 759-2 and p3

<220>
<221> variation
<222> (294)..(294)
<223> nucleotide 't' is replaced by 'a' in SC5-1, SC5-2, 759-1, 759-2 and p3

<220>
<221> variation
<222> (297)..(297)
<223> nucleotide 't' is replaced by 'c' in SC5-1, SC5-2, 759-1 and 759

<220>
<221> variation
<222> (303)..(303)
<223> nucleotide 't' is replaced by 'c' in 759-2

<220>
<221> variation
<222> (311)..(311)
<223> nucleotide 't' is replaced by 'c' in 759-2

<220>
<221> variation
<222> (350)..(350)
<223> nucleotide 't' is replaced by 'c' in SA4-2

<220>
<221> variation
<222> (371)..(371)
<223> nucleotide 'g' is replaced by 'a' in 759-1, 759-2 and p36

<400> 69
tggttggttg tgcactat tttgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt cgatagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 70
<211> 392
<212> DNA
<213> Candida albicans

<220>
<221> misc_feature
<222> (1)..(392)
<223> sequence of clone SGY-2

<400> 70
tggttggttg tgcactat tttgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt cgatagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 71
<211> 392
<212> DNA
<213> Candida albicans

<220>
<221> misc_feature

<222> (1)..(392)
<223> sequence of clone SC5-1

<400> 71
tggttggttg tgcactatth tgtgtcagag actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctaggcgtgt 240
acacgctcaa tctcaggtaa agaaagttha tattccatca gattagaagt caaaagcgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc ttagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 72
<211> 392
<212> DNA
<213> Candida albicans

<400> 72
tggttggttg tgcactatth tgtgtcagag actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctaggcgtgt 240
acacgctcaa tctcaggtaa agaaagttha tattccatca gattagaagt caaaagcgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc ttagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 73
<211> 392
<212> DNA
<213> Candida albicans

<400> 73
tggttggttg tgcactatth tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgtaatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttha tattccatca gattagaagt cgatagtgat 300

aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
 gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 74
 <211> 392
 <212> DNA
 <213> Candida albicans

<400> 74
 tgttggttg tgcactat tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
 gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
 ataaataagg gtatgaaata ccaacatccc agaatatcaa cgtaatagaa gagaggagtt 180
 tcaatatata tcttgatgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
 acacgtcaa tctcaggtaa agaaagttaa tattccatca gattagaagt cgatagtgat 300
 aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
 gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 75
 <211> 392
 <212> DNA
 <213> Candida albicans

<400> 75
 tgttggttg tgcactat tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
 gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
 ataaataagg gtatgaaata ccaacatccc agaatatcaa cggaatagaa gagaggagtt 180
 tcaatatata tcttgatgaat aataacttcg ttctaattca ctatacacia ctaggcgtgt 240
 acacgtcaa tctcaggtaa agaaagttaa tattccatca gattagaagt cgatagtgat 300
 aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
 gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 76
 <211> 392
 <212> DNA
 <213> Candida albicans

<400> 76
 tgttggttg tgcactat tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
 gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120

ataaataagg gtatgaaata ccaacatccc agaatatcaa cggaatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctaggcgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt cgatagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgc attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 77
<211> 392
<212> DNA
<213> Candida albicans

<400> 77
tggtgggttg tgcactatct tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt cgatagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 78
<211> 392
<212> DNA
<213> Candida albicans

<400> 78
tggtgggttg tgcactatct tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt cgatagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 79
<211> 392
<212> DNA
<213> Candida albicans

<400> 79

tggttggtttg tgcactatatt tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt caaaagcgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtcc tcagatttgt attattgatt 360
gatagtttcg aagtttgaag gtacagaatt tc 392

<210> 80

<211> 392

<212> DNA

<213> Candida albicans

<400> 80

tggttggtttg tgcactatatt tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt caaaagcgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtcc tcagatttgt attattgatt 360
gacagtttcg cagtttgaag gtacagaatt tc 392

<210> 81

<211> 392

<212> DNA

<213> Candida albicans

<400> 81

tggttggtttg tgcactatatt tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gagaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgctcaa tctcaggtaa agaaagttta tattccatca gattagaagt caaaagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtcc tcagatttgt attattgatt 360
gatagtttcg gagtttgaag gtacagaatt tc 392

<210> 82
<211> 392
<212> DNA
<213> Candida albicans

<400> 82
tgttggttg tgcactattt tgtgtcagaa actgatcaat gaaaatgatg gttattatga 60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt 120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt 180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt 240
acacgtcaa tctcaggtaa agaaagttaa tattccatca gattagaagt cgatagtgat 300
aatcatttcg tcccaaatta gcgttgata aattcagtc tcagatttgt attattgatt 360
gatagtttcg aagtttgaag gtacagaatt tc 392

<210> 83
<211> 137
<212> RNA
<213> Candida albicans

<400> 83
uauuccauca gauuagaagu caaaagcgau aaccuuuucg ccccaaauua gcguuguaua 60
aaucagucc ucagauuugu auuauugauu gauaguucga aguuugaagg uacagaauuu 120
cacaauga gaugcgc 137

<210> 84
<211> 39
<212> RNA
<213> Candida albicans

<400> 84
gccugcgugg cgaaaugguu aucgcuuuug acuuuauc 39

<210> 85
<211> 455
<212> DNA
<213> Candida albicans

<220>
<221> misc_feature
<222> (1)..(455)
<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 85

tggtttgtgc ctattttgtg tcagaaactg atcaatgaaa atgatgggta ttatgagaat	60
ggaaaatttt tccatcacac atcagggtgat gacagaacta aactatattg tgtagtataa	120
ataaggggtat gaaataccaa catcccagaa tatcaacgag atagaagaga ggagtttcaa	180
tatatatctt gtgaataata acttcgttct aattcactat acacaactag acgtgtacac	240
gtcfaatctc aggtaaagaa agtttatatt ccatcaataa tataaagcca tgatgtcttg	300
ttaatcaatt gatgtgtaca aatgggttatg ttgaaattga aaatagtttc gaaataatcg	360
ttgtgctact gggtgaggca tgagtttctg ctctctcact ataggtctta gtgttgactg	420
tcatatcttt tgtctagaat annnnnnnnn nnnnn	455

<210> 86
 <211> 20
 <212> DNA
 <213> Candida albicans

<400> 86 tatatatggt aatatacact	20
-----------------------------------	----

<210> 87
 <211> 20
 <212> DNA
 <213> Candida albicans

<400> 87 gagtctgtaa gaaatcacca	20
-----------------------------------	----

<210> 88
 <211> 20
 <212> DNA
 <213> Candida albicans

<400> 88 gccactttgg agtacattcg	20
-----------------------------------	----

<210> 89
 <211> 20
 <212> DNA
 <213> Candida albicans

<400> 89 tattcggttt taaataaatt	20
-----------------------------------	----

<210> 90
 <211> 20
 <212> DNA
 <213> Candida albicans

<400> 90
aaaaaataga gaacgcgctg

20

<210> 91
<211> 20
<212> DNA
<213> Candida albicans

<400> 91
tctttctttt tcttgacact

20

<210> 92
<211> 20
<212> DNA
<213> Candida albicans

<400> 92
ttctattttt ggttttcttg

20

<210> 93
<211> 20
<212> DNA
<213> Candida albicans

<400> 93
gtataacaac atttgtaaca

20

<210> 94
<211> 20
<212> DNA
<213> Candida albicans

<400> 94
gcctcctttg gatttctata

20

<210> 95
<211> 20
<212> DNA
<213> Candida albicans

<400> 95
attggtcatt aattttcttaa

20

<210> 96
<211> 20
<212> DNA
<213> Candida albicans

<400> 96
ctggagctaa aaataatata

20

<210> 97
<211> 20
<212> DNA
<213> Candida albicans

<400> 97
atactaaatt ataatatataa

20

<210> 98
<211> 20
<212> DNA
<213> Candida albicans

<400> 98
aatagagaag aaaaaaaata

20

<210> 99
<211> 20
<212> DNA
<213> Candida albicans

<400> 99
ttgtgtatcg tataccatcg

20

<210> 100
<211> 994
<212> DNA
<213> Unknown

<220>
<223> sequence of retrotransposon from unknown organism

<400> 100
tagatatatta tatatgtata tgattagacc aacataaaac tagacgtcca aatatttatt 60
tattttattta ttgatataata ttcttattta ttactgttat gatcttttga ttcacacaga 120
gatttaatcc aaatcaatac cttttgtttt gtagaaatct ttgcttctt caatttgtat 180
tttcaattct ttgtatttat gttctttgtc ttggaatgta acaattcccc aacctaacgt 240
tgataaggca taagacccaa atgtgactaa tccccacat ggcaagtatg gcaatatttc 300
atcgtgtatt ttagctggag ttggaatcac acctgtgata agagcaaaat aaatagctga 360
taaggcaaaa attgttaatc ctgtttcagt agcttttagtc attcttatag ttagacttgt 420
taaagggtag ttgtgttaat tgaagatatg ctggaaaact atacttttcg ttgttttttt 480
ttttcaatct aggtcgggtg tgctgttatt ttttttctct cttcttggtt cttagtattg 540
gattatatgt tggtttatgc gacgtttgtg tcagggaat aacacctga tataagtcgt 600

gcgtattagg tcaacattgg tgaaaaattt gcactcatcg agagccagga attagtataa 660
aaagaagaga aaagaaagat atttaggata tttattatat agggaccgag tttcaggaga 720
cacttttagt gggcgtaaac ttcattcact ctgttttttg cttattacaa attatcacct 780
atcgtgtact aggactaatt ctcacgaata ttccgtgtat acaaacactt attgccaact 840
tatggtgcgg aactttatth gtctgaacca aaatcaaagt cacatcattt aaatgaacgt 900
tgacataaat agattcttta ttcaatagaa acaatttctt cctttttctt ttctttgtat 960
tattggttag atttccattc catatacaca caag 994

<210> 101
<211> 1348
<212> DNA
<213> Unknown

<220>
<223> sequence of retrotransposon from unknown organism

<400> 101
tgtatggtac atgtacgaca gcccaaaaaa tggatcatt tagaactgta ttggagaaca 60
ttagttttgg tccaacattg cgtgatgatg gtatgttttt cgtattatag tacaatgatg 120
gctcaatgat ttatttttagg tttatatgtg gatgatattt taatggacag aatctcagat 180
ggaatcgtta tcagatttgt tgaacaagag agagtttatt tcgcgtcaaa atcaatttag 240
gtctcatgac agaatatgtg agataaaatg tccacgtaag caaaactggg tgatactttg 300
aattaagaga tactcctaaa taagcaaacc aaggatttta aactacacaa ttcgtatggt 360
aaaacgtgct ttgagttcca aatgatagat gcgagatacc aacaaaatag aactgtcgca 420
aatgctgaag acaatttcac tgaggttcga aatgaaaaat tacttaattc aattaaaaaa 480
tttatacaca aagggtgtct ggaagtgtcg atatgaacac gaaatttaat gcattctgtg 540
gaaaattcgt ttaagctcac aatcggaata tactaccatt ctacatttgc agaaaattaa 600
aattgtgttg tgaaatatct acatcctaca aagttcaaga catttattga tggatatattc 660
aaaggactcg atgttgagaa tgataataac ctgaaccaag acgctacaaa tgctaattga 720
gtaattcgta attgctaaac aacgccattt cgaatcaggg gagtgttggt ttatgcgacg 780
tttgtgtcag ggaaataaca cttgatata agtcgtgcgt attaggtcaa cattggtgaa 840
aaatttgac tcatcgagag ccaggaatta gtataaaaag aagagaaaag aaagatattt 900
aggatattta ttatataggg accgagtttc aggagacact tttagtgggc gtaaacttca 960

ttcactctgt tttttgctta ttacaaatta tcacctatcg tgtactagga ctaattctca	1020
cgaatattcc gtgtatacaa acattatacg tgtctgtaac tacgcgaaac tacttcgtct	1080
cagttttttg ttacaaacaa ctttccgtat agacctgaga ttttgtcagc ttgattgaat	1140
ggaagagttt actaaagtac cagaaagggtg ttttatagat aacatgtaga tatataaaaa	1200
tgttatatta caaatgactt ccaaaagaaa ctgtacgaat tttgctgttt attaaaaacc	1260
agttcctgaa aactagtatc ttagcttcag tacatttagc ccacctaaat tggacctatg	1320
acaagttcta ctttcccgac aatgctaa	1348

<210> 102
 <211> 3034
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 102

tggttggtct tatcagtaga ggagtgagta tcagttgctg tggttttttt tttttttttg	60
tcgtcttcaa attttggttg tttatgcgac gtttggtgta gggaaatata accttgatat	120
aagtcgtgcg tattagggtca acattggtga aaaatttgca ctcatcgaga gccaggaatt	180
agtataaaaa gaagagaaaa gaaagatatt taggatattt attatataga gaccgagttt	240
caatagacac ttttagtggg cgtaaaactc atttactctg ttttttgctt attacaaatt	300
atcacctatc gtgtactagg actaattctc acgaatatc cgtgtataca aacaaaattt	360
tcgaaactag tcaatcacia caaatgtgt tgagttcaac tgaaacgata acaaccatca	420
taattcgatt gaatactttg tgcgtctctt ttctttctat gcattctact acttgctgac	480
tacatatata cagccatgac ttgcatatat cctagcaact cctccctccc ccctattggt	540
gttggttttt ttaataatat ttagtatatg tatcaatggt aaaaactatt ttttgatatt	600
ttttttgggt tgtaaatttt gatagttttt ttattgaaaa cttcaaactc caaaaatttc	660
taataacaac aacgacaaca attattaaat gatactctac tcaaaaagaa aatttgatga	720
aatgccaaga acaatataat ttagtcagta cattaatact caattacaac aacaacaaca	780
acaacaacaa caacaactgt tcaatgcaat aataagagag aaaccaatag aactaattta	840
gtttttcaaa tagccaacct tcaaaaaaaaa ataaattatg tgaatgcata aaatatgtat	900
tattagtagt agtttgtagt tggtgtaacc agaattctca atacatactt tttcatatcg	960
atcctttttc ttcttctctc tcgatttttg gattatatta actaaatttt gcatttacgt	1020

ttataatgat tttcaataca aaaaaaaaaag cattataaac tatatattat cttgaatagt	1080
aaaaataaat tagtattgat agaaagtttt ttacatctga cattattttac taattttaagg	1140
aagaatggga cttaaaaaaaa tatctaaaaa cccatgtggt ctagtttttc atttggtatt	1200
agcttattat actttacatt attatttttg ctataatcta gaaaaaaaaa agtagacttt	1260
agatctaatz tataattggt atattgatag ttttttaatz ttttttttat taaatcattt	1320
catttatttg gtcttctttg ttttggtatt gtctatgtgg ggtggcggag ttgggtgcaa	1380
cgcaaacaaa aatatttttt agcaattaag tttttgccgt actgtatgga aattagttcc	1440
attatgatag cattttgcat ctttgattaa tttttatcat tccatagcaa caattacttc	1500
tttctctcc ggtgtcaatc aatcccatat aggtcttgca ttgttttgtc aaacgtttca	1560
aattgggaat tgtttagttt gaaaaactat agatttcctt atcttgattc agatctctct	1620
ctcagccatz cttatgtaac ttagctattg tttctggtat tgttattggt gtttggtgat	1680
tatcgacatt tgggttcatt ttataaaagc aaacgagaga tcgatagcaa ttataaaaac	1740
cattacacac acccaaaaaa atcaaagtaa tatgttatct aataggacaa ctgatgtatc	1800
ctttaattta aatatttttg aataaaagta caccctttc catcatattc atgtgcaatt	1860
taaaaggaat caattatcaa aaacccaact aaccaacaag tttctggtat atagcctttc	1920
tgtccaattt tttttttttt ttgaaatct aaactactgg cctctttaaa ctaaaatcaa	1980
agatcacttc ttaattagtt ttgtagatcc agaatcgta ccaatactgt taataaatga	2040
ttgaatgatg taatttcaaa tagcaatcgt tgagtatatt ataataatz aatagctaga	2100
tttagagaca attataataa taacgaatca tcacaaaaa aaaagtgggtg tacagaaaac	2160
gtatgtatgt aaactagata caatggaaag ggctgggagc ggaggggggg ggggggggtt	2220
taattctgat taagaaaaa aggggaagga catggaattt atccacatga gagaaaggt	2280
tcctaaaaga tgccttttac ggtgggcccg gggaaccca attttcagaa atttcacctg	2340
tttggggcgc ataatzttca caaccaggg ttgccttaat gacgtattct ttacaatttc	2400
atcaaaccag ttgttggtgt ttaataaaaa gttgatagtt gtattgctca aattcaaggg	2460
gggaggggggt ggtgaattca tatttctcat atatcacact catatttgcg aatacttgaa	2520
ttactctaca tttatgcttt tcacatggat caatttaata taagtacatc aatccaatat	2580
gaacatzaat gtaccaacta aaattaggtg ttagtctgaa ttcttggtca ccattgttta	2640
gttttggttg tgatzaatct caagatacag attggtttta caataatacg tttgttggtg	2700

ctgtatgaac aggcagtcac ccttcctccc ccacaaaaac atattctgta taatctatgt	2760
aatattataa gatccaatca aaacatcacc accaaataat actgtagtaa tgcctaattct	2820
aattactaaa tagaaatata gaatggggta tggttgagat ttttgggtaa ggtccaattt	2880
gccaaaaaaa aaaaaatatg caaccttttt ccttcctcca cctccttctt atttcgtgaa	2940
attcggtaga atccgaaaga ctaatgaaga aaaaatcaag aaaaaagggt aaggtcattg	3000
atcaattgat ggcaaatatg taagtaagtt cgat	3034

<210> 103
 <211> 3504
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 103	
ttttctcttc tagcttgcaa tttttgttga cgtttactag tagcagaatt ggtttgttta	60
gtttctgctt gttgttcctc tgggtgtagag ccatttgatt tattcttttt aatgaatggg	120
aaaataaaat tactcaattt gtaaataagca aatccaggaa ttatcaagta ccataccat	180
actttattac ttccaaaaat aatcatcaaa atategaacc cccaagtcaa atagataaca	240
tcaaaataat attcatataa actccccagt aatctaattgt cttcaccact tgaaactaaa	300
gagttaccat tggatatattt gggacgacca aatttttcca aagaatattg taaaaatata	360
cttgggatgg agaaaattat ccacgggtta taggaagatg gacgatggaa aatggagata	420
attaaaaaca caataatgtt aattgatgag gaaatgatta ataattgatt taatatgttg	480
gtattggcta ctgccaaact cttagctgat gcagatgcca ttgttaatat tgttaaattg	540
ggtaaatagt atgaaggaag ctttggcagg cgttgttatt tttttcacca attattatca	600
tcacctgagg aggttagtca atttgagatt gtgcgaggga aaaaaaacga cctccatata	660
ctacctcaag tataagtcca gtccaattgt tgcgtataga gagatttcct agccggaatg	720
cacgacaatc ctgagacgga agtcgatcgt cgatgcccat ggtgcgtggg gaaaaatttt	780
cttagaaaat ttgttctttc cttcaactgc tttgaagaga gggagggtta agtggtttaa	840
gtacgacggg cacaaagatt gcggcttatg agggccgaac tgagttgaaa tacaaaatca	900
agatataatt atatacctta cttgtctata ttgttttata atacattctt cagatattta	960
aatttctgtg tatcatccta taaaacagag atacattcag tgcatttagt atactgagtg	1020
aactggtacc tgtgacattc aagataactg tttcacgcac gctggcagac gaacaccaat	1080

agtatgatga agaactgacc atggtgtaag aggtttgatg gagtttcttt tttttagaag	1140
aggttgataa gccaacagat gaggagtaac aagtaactcg caacattgta taacataagt	1200
ttacatcaaa tcagaattta ctaagaaaat caatccattc aaaaggcact caatcattga	1260
aaaaacgagc ttaatgagta gacggtctgt tcatatgaaa caattgaaag ggttgaatat	1320
tgtttggaag attatataat tcatgtcaaa ctgggaggct taaattatgg tcaactccaca	1380
gattatgaaa cgtagttaca caattcttgg acctggaaat cccacaagag agcgttagtt	1440
agtttgcact ctctccacca gttaaactac ccatgattct ccaatgtggc ttatttaagt	1500
atcagacaac agatacatgg tttccaagtg gtctcatttt tggtttactg gagtctgcat	1560
tccccacaaa agtacctttc aaaactaatt aatgtagctt ctatttgata gcctctgtta	1620
tggaaataga tttgctctgc ccagtgggtg taattattcc cagctggaac tattccgata	1680
gatatgtttt aatgtcaatt taaatcttgt aataatagta aggatgcggt ttatccgcga	1740
tcttcttaat acctgtggag ttactccaga acagaggctc aattttttct tggttggtta	1800
attatccgag taacacgggg tagcttgggt actccagttg agaatgtaaa ctatagatga	1860
agatttcaac acgcaattat taccacacct tggcgaatta ctaatcgact atttggtta	1920
ccagaaaaaa ttatacacia aactgcctt tttttaaaaa aagcggtatt ttgatggaac	1980
gataattaac gatggttctg cacaaaaatg tggccaag cccagacta ttctgaagta	2040
tgatttggtta cttaatttag tgaataatta aacataaaat ctggagaaaa atttttttt	2100
tgctctcatg accagtggca aattcttgggt aacgaggctt aacattaatc cgcaaattac	2160
ctggcaacag agaaaacacc cagaaagttc tgcgtatga gaaaacctac agttgtttcc	2220
gatttctccg agcactaaac ataaagagac cagtaatgct aaaaaaattt ttatttctgc	2280
attactgttt ttagcaaata cacgtctaatt ttattgtatt tgtaaacaat tcttttctg	2340
aaattttaag aaaatgtttt gggttggttg aattccattt aaacggtact ttggggtgca	2400
gacagcaatc catttgaga gtggcaagtc tacacgaatt tagctaaggt tcactatatt	2460
gtgtaacaag aaatttctat accaaataaa cagcacttga ttgaactaca atatgtaaaa	2520
acttgctttt attaccagtc ttcatacata ccccggtctt ctcttttcaa tattctgtat	2580
atgtctttac aactcttaac actccgtaaa tgtgcctttc gaatactttt gcagctggat	2640
atttttccgg tgcaaccttt cagttatctt ttgcaacttt tcgcgagcaa tgacaaaagt	2700
ttggggcggtg aggcaacaaa atgcatggca ttaccagtac agtatcgcca caagtggttt	2760

tccttggcat ttcttgattg tttagtagaa caattcaata agactttttt gatcatgaat	2820
tttttttgcc atgaagggtgc tttcattggt caagggtgaa ggggaattga aaaatttgta	2880
gagtcacaat caaatgactt gataatttga tagaaaaaaa aaagaaacct taaaaaatat	2940
tcataccaat gtatgcataa ccataaagaa cttactaatt atgcacctgc aatcagaaag	3000
tcattttcta cgatgatttg ccaaagacc gtaaaacgac tagcaaaaac agtgacattt	3060
tttttgaaaa ggtggagatg aaaaccattc tggtttggtt cgtcatttac acaaatattc	3120
gacacaaaaa ctattaattc aatacaaaaca aaaaaatgtg caggaagtct tggaaccgat	3180
acaaaaattt ttacaaacca cgtacactat tgttttgggg aagaattagt cggggaagaa	3240
ggcccagaaa cttgagtaaa gagtggattc aacactttat aatagtatca ttttgaaca	3300
caaaaatgaa atacacccaa taaaaactgt tgaacattt atccgtcaag cttattcgat	3360
ggagtacaac actttacatt ttttccgaaa caataactat ataaacccat gtaagtctcc	3420
cctcttttgt ttcaaagtc ttatcaattt ttctcttcac tactttttcca acttaacaat	3480
cttcacttat aatctcaacg aatc	3504

<210> 104
 <211> 3955
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 104

tgtaattga tactaagtg aattgattgg aatactagaa aaaaaagaaa gaagaagaaa	60
agaaagaaga aaaaactcaa ctttctttcg aaaatcaagg atcaatgttg gtatttatat	120
actttttttt ttagtcaaac tctacgaaat gaaattcaaa gagaataatc cacagaagag	180
gagagagggc aaaagtgggg ggaccaaagg gggttagaaa acaggaaaca gcaatagaga	240
gcaataattg aaaaatagtg ttgtcaacaa tagaacaat tggtaaaact ttaaatgcaa	300
aacatgaaat tcccaatttc cagaataaat aatatcagca tacatggccc cgaaaactac	360
tttaccgtgt cgctttaacc ccccccttcc taaaacgaga caattagaca tacattccac	420
aattatcata atcccccttt ttttccttac aaaacacttt atttttgtcg ttttcgttat	480
ttgcttcgac gacattgtaa actctttgga tttgcagtag tagtgctcct ggtgtaagg	540
gggtttgggt gtagagtaaa agaaacgaca attgattaca cctcgatatg catacgcatg	600
gcaaagagaa taccgagtta atagtgagtc tattagtgtt gcaggaaaag ttatacgaac	660

aacattttgt ttagtggtgga tattccagat caacaacaat atgactaaaa tcatagctct	720
aattttcagt ttacctttgt ttattacgat actgccacag tegtgtgtgta ccagggtcag	780
ttttagaaaa actattctag aaatgatgag tagaaatgta ctattatgag caatatttca	840
aaaagtgaaa ttataattgc tgctgacaac accaacaata catacaaatt tggaaacgag	900
caaatcgaga aaatttcaat ccgttttagca agttgttcgt tgtcgtcatt gtcgattagt	960
ttcagtttct agaggtgaaa ttttctatgg caccaaaacc aaagcctcaa ttttaattta	1020
ctctgtgtgg tacaaaatac attagagagg atcctctcca aacaggattg caggaagttt	1080
tacacgagaa tgatttacta cacgacgttg aattaanaag ctcaaccagt ttgtcagcaa	1140
ttttgttcta tctgttcaat ttcttgtata aaataaagca atatgagaga gcatctaaat	1200
caataatgtc aacacaatat taaactttga gaaggattgt tcaacaaaac aatccgatga	1260
atagaagaag aataatatca aattgttcct gattgattgt tgttatttat tttttatctc	1320
cgaattcctg cacaatggct caacaacagc caacacggat cacacattaa attttttttt	1380
cgtgcaggac cccgtggtgg tggctgtggc tgtgattgtg atcattgtag tttctgcctt	1440
gatgatgaca aaaaatgata gagttcagta tgaggaagaa attaagcgat atcgggttat	1500
gatgtgttta gttattaatt gctctcaatg gttttcaaca acgtatacaa aactggtggt	1560
gcttgaaacg aatgagtaat acagatctaa ttaagctgtg attttctaag tttgccttgt	1620
ctctacagtt caaaaaaaaaa gaacagaaca cctcagaggc tgttgtgatg caatttttag	1680
gaacctcaac aacaaccact gactgatcta agccagcatc tgtttaatgg gttttcaaaa	1740
agaatggggc aaacggggaa ttgaaccccg ggccctctcg aattttgtgt ttggtgaaca	1800
acccaaacga ggaatcatc cactagacca ttgcaccaat tcgatgactt ggaattattc	1860
tagttatttt tgacatacaa agctcagctt tattacagat agtcatgttt gcatggatga	1920
attagtacta ctaataatat aagaaaacta gttaattgga gtcaatgtct tatacatgtc	1980
ttctgatggg ttatgcattg attaattatg aatttctttt aaatacaatc tattgctatt	2040
atttgtatgt aaaactttac caaaaaacca aaaaaaaga gtggtcttgg ataaagatta	2100
aagtaattcc aaaaagattt ggtaattagc tatattgttt tgacgtacat ctataactac	2160
aaatagccat tcagtttgat tatgtatatt gacatagttg gatttgtaat ttctgttaaa	2220
atggaaaacc ctaatcaaat gtatatgttg aataggtagt taaattgtac aacctactac	2280
ttgttgtaa ttgaattcag agccaatact tatatctcct ggaaactgat acacaaacga	2340

attgttaaac tataacactc gacgttcaca tctaaggatt catcgtcggt aagatttata	2400
ctcattagca aactcacttg ccatattaaa cacttctcaa tctatttccc acaatccaat	2460
taatcagcac gaaaactaag atactatata tatctgccta tacctgatat acacatggca	2520
catggcggtat cccacaaaaa accgtcaaga caacaccaat atgacaatgc caattataca	2580
attgcatata ccacgtgact tcattttatg gtcattgagaa attaaacttat catgggggta	2640
ggcgagaata tcaactgttc gctatagaga gatttcttag ccggaatgca cgacaatcct	2700
gagacggaag tcgatcgacg atgcccattg tgcggtggtga aaaattttct tagaaaattt	2760
gttcttttct tcaactgctt tgaagaaagg gaggttcaag tggtttaagt acgacggtca	2820
caaagattgc ggcttatgag gcccgaaactg agttgaaata caaaatcaag atataattat	2880
ataccttact tgtctatatt gttttataat acattcttca gatattttaa tttctgtgta	2940
tcattctata aaacagagat acattcagta catttagtat actgagtga ctggtacctg	3000
tgacattcaa gataactggt tcgcgacgc tggcagacga acatcaacac tgatcatttg	3060
tttttttttt atttctcctt tttctccttt ttctttcttt tttcttcttt cttcagacgt	3120
tgttgattta ttttatcgac agcatccttt tctttggcca catatccaag cgatatactg	3180
gccaaagcga agtcctttta taaagcaatg ctaccaaag taacagttcg aggtcagaag	3240
attaagcggg tatgttcaca cggatatttt atgggggtatc acttgtagca aacactttga	3300
tacgataaga atatttgtaa tactaacttc agtgtctttc ataatacagct cataacctgt	3360
tggaatttaa attcgtatgt tgttcattca aaattttgat aaatgggacg agaaatcatc	3420
gttgccctct aattagatta tgacttagta ctaactaaac tgtttatcat tttttaagc	3480
gttgggctcc atgttagaat agattattag ggcgggtacgt atttcataat ttatatatag	3540
gtacttattt ttactaattt attgcacagg aaaagataaa aggtatcgat tatacctatc	3600
agcaagggtt aagcaaatg aagtattttt accatatttt tccattttta tatagataca	3660
tcaagagggt tatttttaagt tcacctggat aaaccattca actaacccaa ttgaattgaa	3720
tgacaatttg atctccaaag agggattcat ttctattctg gagagataaa cgtcattggt	3780
taggaaagag caagagataa gaaatctttt gtatattgta tatatattat taatgttata	3840
ttacactatt gtttggttgt ttgttataat tatatgtgag atttcatatg taagatgttg	3900
ttatctcttt ccattattta gcttttttga aaaagctatc aatgggtcca cgttt	3955

<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 105

tagatgcaat aggtgtatga aatgtatcta gattatatca tgaagccctt gcaataaaat	60
ctagccaaaa atttgtgtac tgcaattgtt cgctatagag agatataccta gccggaatgc	120
acgacaatcc tgagacggaa gtcgatcgtc gatgcccatg gtgcgtggtg aaaaattttc	180
ttagaaaatt tgttctttcc ttcaactgct tttaagagaa gggaggttca agtggtttaa	240
gtacgacggt cacaagatt gcggcttatg aggcccgaa tgagttgaaa taaaaatca	300
agatataatt atataccta cttgtctata ttgttttata atacattctt cagatattta	360
aatttctgtg tatcatccta taaaacagag atacattcag tacatttagt atactgagtg	420
aactggtacc tgtgacattc aagataactg tttcgcgcac gctggcagac gaacagcaat	480
tctgtaattg tcgtagagta gcaacaaatc ttcccgatga ttggtacttg tgttagtcta	540
cacgacatgt gttttggtac acttgaactg tatgtccaag aatggaaaca tatgcgggaa	600
ggacgcgaaa gatgagtttg gtatagaagg gataagaact gtaaaatata ttatgtagtt	660
atatatttta attatgggaa attgagtgtt tattctgttc aacaagtttc aaccgtagag	720
attacattta aagtctgtgg tcgaaatcca caagatacag caaattcatg aattcaccta	780
tttaaataca gtttaccag caccattgcc tagaacttgc catatcatca attaagtcag	840
acattactaa tttgagcaaa gcttttagct taatgggcca actaatttaa gtcgaattgg	900
taatgcaatc tgttcttcat ttgagtcgct tgctacggct ccatgacaca tccatttgat	960
tgttttaatt cgagcaatta tccaccataa ctctcagtaa tatcattaac agttttacgc	1020
ttaataagca tagaaagttg tatgaagttg tctcctaggt atgctagaga gatttgata	1080
tacgaccagt aaagagtgtg atgaggtgtt tactgtaggg taaattgcaa ttgacttgag	1140
ttgatagcgg ttattacaaa agtatagatt caacaaatta agacaagtac caaacgatag	1200
gccgaatgtg acttataccg ttgaagttca agcgttttta acaaatagaa atgtgagatt	1260
aatgagttcg acaaagtgtt tactagatac tattaatttc gatgtactat ataagtttaa	1320
ccagctataa ccggcagagc agacttcctg aaactcaaat tggttgtgtt tggacttgag	1380
ttacaccaca aagtttgaca atcgtgagga catagcaacc tatcaagcca ctca	1434

<210> 106

<211> 1608
<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 106

tgctagtatg tattttggct ctttgatcct gaatgcgaca atgcaataca aatagtagaa	60
ataatgatgg tgatactact agtattaata ataatccgag aaacgatatc acaaaataaa	120
tcagtgccca atgaggttga tgcacaaata ttagtggtgt gtaaaactaa agagaatatc	180
tcgctatgat ttctattgat aagaaaagat gagagattaa ggaaatatct tctgtaaagt	240
tgtatcgcca cctttttttt ttgtagtagt agtatcggtt ttggtttttg ttttctcatt	300
agttaagatt cttgcgataa ggcacgacct tgatcatttg catgtttctc gtttaattgt	360
ttttatttct ttttttttta tgggtgtgtg tagtagttac agatatcgac ggttgcaagt	420
gcacgagtgc tgcgactgac cggatcgtca tgctaaaaga ttcaggggtg tgtaagagcg	480
tgccaagtcg aggaggaacc aacatttcac aactgcttca ggatagggca ttctttttct	540
tctttctatt tgatctagcc ttgcgtctat tcgtgttggt ggttggtaca agcgaatatc	600
ccaataaggt ttttgttgcc tatgtgcac gtgttgtagc atagtaacga gagatacgat	660
tcttcttctt ctcttctccc ttttcttttg attgctttat atttatatat atatattgtc	720
atcatcgtca cgaaattcac tatcattatc aattattttg ttttttctct atctttgtcc	780
tcctcgttta atccttatca cagttttggg ttggtgcaat ttcttttcat tctccagttg	840
aggcttacac tttctcttgg agtttccggt tataattttt acacacacaa aagcacaaac	900
tacactttgt cttcacagtg tataacagat accacagtat tactaagggg gaaaactaac	960
ctaaccaaag ggactgacaa aataagtga aagactacaa atgacgccct taatatacga	1020
gagagaattg aaaagacata cacataatgt tcgctataga gagatttcct agccggaatg	1080
cacgacaatc ctgagacgga agtcgatcgt cgatgcccat ggtgcgtggt gaaaaatttt	1140
cttagaaaat ttgttctttc cttcaactgc ttttaagaaa gggaggttca agtggtttta	1200
gtacgacggt cacaaagatt gcggcttatg aggcccgaac tgagttgaaa taaaaatca	1260
agatataatt atatacctta cttgtccata ttgttttata atacattctt cagatattta	1320
aattttctgt tatcaacct aaaaacagag atacattcag tgcatttagt atactgagt	1380
aactggtacc tgtgacattc aagataactg ttctgcgcac gctggcagac gaacaattgc	1440
ggcgaaaaaa aaaagaggtc gccaaaacta aactggtggg acgatttgct gccaatcaca	1500

atgaaaaaaaa aaaagaacag ttggtttgaa acttcttcct ctaatacaga attaaactgat 1560
 ctttctatca ctgttttaaac tattcattac tctcaagaac ttaccatg 1608

<210> 107
 <211> 1385
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 107

aataagtgga tttatcatta ctattatcgt aatgctcaat caggggagtg ttggtttgtg 60
 cactattttg tgtcagaaac tgatcaatga aaatgatggg tattatgaga atggaaaatt 120
 tttccatcac acatcagggtg atgacagaac taaactatat tgtgtagtat aaataagggt 180
 atgaaatacc aacatcccag aatatcaacg agatagaagg gaggagtttc aatatatatac 240
 ttgtgaataa taacttcggt ctaattcact atacacaact agacgtgtac acgtcaatc 300
 tcaggtaaag aaagtttata ttccatcaac agtactagta ttagtattag tagttgcttt 360
 gtcatatata aatagattaa ttaaactaac taacaaccta tatcaaatca aatcatcagt 420
 tatatcatca tcaacatatt catcatcttt attcattcta taaattgtca ttgccatact 480
 tgcaaaatc aataaactca taatccaatc cggcaaagca attccatata attcaatgag 540
 attaaatggt aaatctaaga aattcccaat taattcaata ataagcatca ttttatcaaa 600
 tcgtaaatct tttaatactt ttttgtattt tttatttaaa tcttcattta taaaatttat 660
 tccagtcttg ttttagtggt tggtagtaga atttaataaa tcaacttcaa tattaacttt 720
 tctaatttta cgtattacat ttagtaattg agatatgggt ttcttgatta aaaaaaccaa 780
 tattaatacc caaattttat tgggttggtt taaaaatcga tttaaaaatt gtgggaacat 840
 tggtaaattt gataataaat gttaaattatc taataaattg gcaagatttt ctaaaatatt 900
 aacaaacata aattctattt ttttcaaact aaatgtatgt ggtctatagt attttatagg 960
 tttattatta ttattagggt tactccctga cttgggtttc ttcactggag attgacctcg 1020
 ttcttgtcga ttgttgtgag atgatttatt aatatcaaatt ttattaaata ctgaagggtg 1080
 ttttggtttt ggaggtaatt tagccttagt aggggttgat aatgggtgtg atcgactttg 1140
 taacttttgt tgttgttgtt gttgtgctag taaaatggtt aatttatcaa gtttatctga 1200
 tgtgattgaa gtattaccct gttgttggtc tttttgagct agaagaagta aattattgat 1260

aatttattgt tgacgtgagt caggattagg atcaattgaa gtatgtttta agtttaattt	1320
ttgaattaaa tcaatattct cctgtattgt tgtagtgaac attacggata ttaataataa	1380
ataaa	1385

<210> 108
 <211> 1483
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 108	
tgaataatca ggggatgcaa gttattgatt ttgccagtat ccaattttac ttgtggtttc	60
gagaaagtgc tttctctcat tggtagttaa aggttaactg aaattcaaatt tataggagtt	120
tttgaacata aaaagcatat acaacttgag tagcatgtat atattgcata taaagattct	180
ttttttttgt aattgagttt gccaaacatt ttagtcactc ccaatatatc gtcaactcgt	240
aaatgtgata attcaggtca agtgcctacc tctaacgatt agccaacatt ttttgaaaca	300
aaaatatatt tcaaaggaac acagtgaaaa cctctctatg taggctgaca ggtgaaaatt	360
atgaattaat tgcattggcc aatgacaaat gaatagacaa aacagcaaatt aagggtgcaa	420
aagtagccca aacaaactag atttcgggta cgaattttcc atctttcaaa acaatgaatt	480
tgtttagagc tctgtgccat ttattgcaac taaaatgaat atgcaattaa acaatcagag	540
atgtattgga ttatccccgt ggtatacttt tgagttcacc atttgttttt tttttggggt	600
taaattagtgc ctctactaa aaatcgcatt tatcttacac tcaccatttt gataagttat	660
ctctgggtcaa tcgcaaatac tatgcttcta attaagagtt ctatgtaaatt cccattttatt	720
ttgatcaatc tattggtttg aagtaagagt tgattttctg taaagattta tttgacagtg	780
tagttcggtg tcaaaaatat attatgatgt acactaaaaa acactaaatt tcaagtcaat	840
ggggaacaca aaactgaatt aattactata tgttggtttg tgcactatct tgtgtcagaa	900
actgatcaat gaaaatgatg gttattatga gaatggaaaa tttttccatc acacatcagg	960
tgatgacaga actaaactat attgtgtagt ataaataagg gtatgaaata ccaacatccc	1020
agaatatcaa cgagatagaa gagaggagtt tcaatatata tcttgtgaat aataacttcg	1080
ttctaattca ctatacaca ctagacgtgt acacgctcaa tctcaggtaa agaaagttta	1140
tattccatca ctatataaca acaatcaggc tttgcaaaaa aacattttaa actaatactg	1200
gtaatatgga aatataacgc ctctagttc tacgcacgtg gcacccctta tctattttatt	1260

caatttacc	ctaatttatg	aattagctta	ataagagcag	tcaaattaac	acggctcaat	1320
taatagtact	taataatatg	aagccgatca	attaaccgat	cctttgaata	atttgaaaat	1380
aaaataaagt	aatataaata	ggtatgcatt	ttccctacat	ttatttctctc	tttctatttt	1440
aatttgtttc	ctaaacagca	acaacaacaa	ttgaaattca	aaa		1483

<210> 109
 <211> 879
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 109	
ggctcgtaga	ttcgggtatac
ttgtctagaa	taaaaatgaa
aatgaatggt	agttgaaatg
	60
tcaggtggtg	gtggtggttt
tttttttagat	ttcaaaaact
atacatactc	ctatgagatc
	120
aattttcttg	attgaatatc
ttggtaaaat	ggttatgagt
tcattttctg	ccaaaaaggt
	180
aattttctgat	ggcataagat
tcccttgaag	gttttttggg
agtaccatga	cgggttaagg
	240
attatttgtt	aatgggttaa
actagatagt	agtagtctat
atttaattta	tttttttttt
	300
tttgacacct	tgtgcgaaag
atctctgttg	gtttgtacac
tattttgtgt	cagaaactga
	360
tcaatgaaaa	tgatggttat
tatgagaatg	gaaaattttt
ccatcacaca	tcaggtgatg
	420
acagaactaa	actatattgt
gtagtataaa	taaggggatg
aaataccaac	atcccagaat
	480
atcaactata	tagaaggag
gagtttcaat	atatatcttg
tgaataataa	cttcgtttcta
	540
attcactata	cacaactaga
cgtgtacacg	ctcaatctca
ggtaaagaaa	gtttatattc
	600
catcaatctc	tctcgatggt
gtaaagagac	gcgtcaatta
acaataaaact	ctaattttgt
	660
ttttcttcta	caaaactacc
aaacataatc	atgtcaaggt
aaattacaat	gatatttaat
	720
tacgtaaata	cttctatacc
cttattgata	ttcaatcatt
ttcttcttat	acgtggaagt
	780
tcttccagat	gtcatggcct
tggcccttct	agcaggtttt
ggaccgtcac	tatctctact
	840
atacgggtca	aatccacgtc
tctgtctacc	attagtcta
	879

<210> 110
 <211> 974
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 110
 acccgtctag tatcagctcg tcgttttcaa gtatgttggt catgtccagg ttgttgctcg 60
 tgggtggcagg tactttgtcg tccaatttta ggtcctcgta gtccatgttg gacaacatgt 120
 ctctgctcggg attgccgttg atgtcaaagc caataaagtc gtcaaagttg tcaaactttt 180
 gtggggcggt ctctgctttc tttctggcct ctgctttctg tttgttttac acttttcgtc 240
 ttttaattata gtttcgaaga atttcctagg aacttaagaa tttgtaggag aatgctaata 300
 agaagttgta tttcttaatt gaaagttata attgtaagaa tatattgtat aaaagatgag 360
 ttgataaaga aaagatataa aaagtcctat aaaaaagtat tgtaaaataa aagtatataa 420
 aatcaagta aaatagaata tttgcacaca aattaaaagt agtgcaaatt tgacagaaaa 480
 gttgttggtt tgtgcactat tttgtgtcag aaactgatct atgaaaatga tggttattat 540
 gagaatgaaa aatttttctt tcacacatca ggtgatgaca gaactaaact atattgtgta 600
 gtataaataa gggatgaaat accaacatcc cagaatatca actatataga aggcaggagt 660
 ttcaatatat atcttggtgaa taataacttc gttctaattc actatacaca actaggcgtg 720
 tacacgtca atctcaggta aagaaagttt atattccatc aaaagtaaaa taaaacactt 780
 ctctgcttcc tctgctttct tggcttgctc tgccttcttg gcctcttctt ccttctttct 840
 tgccgcttct tctttgactt tcaattcgtc aagtttcttt ttcttttcaa ccataacgcc 900
 gagacaccac tctgcatcat tgagtttcga cactgtttgg tctagaatag catggaagtt 960
 ttggatttcg ccgt 974

<210> 111
 <211> 3868
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<220>
 <221> misc_feature
 <222> (1)..(3868)
 <223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 111
 aatgaagtaa cttttttcaa ggcaacatct attcttttat taatctcgac gtctgtttga 60
 ttaagttgct ctaacatttt atttagatcc ttctctatat tttctgcaat atcaaacacc 120
 gattgctttt tgtctgaagt tgctggtata tcaccacttc cgccaattgt cgtattttcca 180

ctgtcctttg ttactgacag attggcactg acattacctg aattgttcat gtttgctggt	240
gaaagagcag gaactgtact tggataagca gccgattcaa aagaagatgt ggacatgagt	300
gtcaagaaaa tgtgtagaat cagtacaaga ctggaaaaca gaaggaacaa agtgaactgg	360
atattgtagt tttgttgata gtactcgcga gctttaattt ttttttgtaa ctggcggaat	420
cagatcttat gcaatactca aatccaaaga aacagtcaat ccagatgaaa ggcatgtaat	480
cgctagtttt cataaacaga atcatgttac tagtcatatt ttctataaaa attcaatact	540
tcattctttt tgttcaatac taactataaa tgcttataaaa tagattcaaaa tttcaaccag	600
atccaccact tcattaggct caaccaattc ttcataaata gaaacgtctt cctcagccaa	660
gcttaattga tgggaaacc tagcttgcac tgaaggaaaa atacataatc caaataanca	720
actgtctttc caaatattct caaaattcaa cttcacgcgc tttcaccaag caggatctcg	780
tgattggacc aattctaatt cagaagttct tctcacacaa gtccgaacga ctcgatccat	840
cataatggat acatcggtca cgttgccacc aaatcgaatg actctgtttg cacctgtaca	900
aagtagaaca tatgcatgga aaagtaaaac tagtaaaacc gcataatgaa accaataatt	960
catcatatgt tgattgagtc tgaaccccat caaatataaa acaaaagtga gtttaaccat	1020
agttataaga agcagtcctc cgttggtgta taatctatcc ataagatcgt caatttcagc	1080
atcttcaaca tcaatgttat tagcgtcacc tggaaaggct tgttcattag attctgattc	1140
caggtcacta ccaatatcat acatcattac tagtactttt tgaatcaatg gctcaccaga	1200
agccagttta aacaccttgt gaacttttgc tgcaccataa ggaccgagta gtagataagg	1260
atcgtgcaag ccgttatcca caacaatgca ttgtgctgta cccaagctta ctttcttcac	1320
aatattgtct actttcaaag taagttcata ctcaacatta gacaagtcac cctgtttcac	1380
tagaattttt ttccctgaat gctgttcaac catagtatcg tacgatgttc cctccatttc	1440
ccatgtggat ccaccacgta cctgaatact ggcagggtta atggggctta tgttaggagt	1500
tgaagactct gatggattat tgacaaatgg aatagagtct tgttgacttg gcaccagcgt	1560
ttcataattt gaagggtgaag gtactgggtt agccgagggt ggtgatgttg aaatatcact	1620
atcaattcct tgttctgagg atgagctagt agcagttgga tttgttgctc ttcttgacgc	1680
agacaaatct gatgttgatt ctaatggcac tgaattcgac agcgccaaat tgggttgctg	1740
taaagagtca ttggtggcag ggagaaatct aaatctatca tttgactgaa agtccttcca	1800
aaattctctg ctcaacaacc caccagttcc atttacatgt tcatgctttg taagtttcaa	1860

ttttatgaca ctgttattct gttccaaaag ctcttgattc aatcccaaca attcataaac	1920
actagcttcc tcttcttgaa atgaggttgg tattatattc ccttcgtatg atagttttat	1980
ttgttctata aatgtacgtg tgacagaacc ttcgtcattc ttagctatta ttaattgctt	2040
gagttgctta accgtagttc ggtcatttat ttcaatcatt gacttttcat tctgtaaatt	2100
aggaagattt gactccaaca aaaccggaa tcttttgaaa ttactattca tttctaaagg	2160
tttgggttgt gtgattgaag ctaatggtgt gtgtactaag tggtttttca attataaata	2220
ttgatgaact acactatata tacactgaga aaaacacgac caaaattgac accgcactaa	2280
aaacacggaa ttaccgtatt ctttttggtta acgattttgt ttcattacac gactgtcggt	2340
atacacacat ttagagcaaa ttattttaga ttgatcagtg ttagcaactg gctatcgata	2400
atagagtacc ttcccgagtt agaatgtctt attagaacaa caattgtttc atataaattt	2460
gtcgcaaagc acacgtaata tactatatgg aaggggctaa gtaaaaatgt cccgtttctt	2520
cttaatatga gaactcgtgt acgacacaat ttgctgtgtt gttaatcgag tatgctacaa	2580
cctgaaaatg gaccatagac ccaaactact tctctctttc tagcaccaca aaccacaaa	2640
ttagcacaac aatgaattgg acttcacttg tatatctatg gttcattttc aaaagcatat	2700
ttgctgactt aacatcacac caactcaaga gcaaagtggg attcctagat actactatcc	2760
tggatgaagt ggcccgaagc tatttgggat cagaggacgg aaatgttaca catggtaatt	2820
atgaaatatt gtcaattgca aatgggcgcc aatgacggaa acatcacatc atatttatgc	2880
cagttgccaa gaaccaaaaa aatggcacca acaaaacca agcccaccat gtcagttcat	2940
gaattgaaat cgcgagctat tgacttgata tcggaatcct ttgtcgaagg taccagttgc	3000
gtattttctt tcaacttgca tgcaaattat tggactatag gctattgcca tggaatcaac	3060
gttattcaat tccatgagaa tttggatgat ttataagcg gaattcataa accccattct	3120
ccaaatcatg tatatacatt aggcaatttc ctgaagcaaa cactgccatt agaattcgag	3180
tttgatacta aagaacgcac aataagtcaa agattgtag gagaagtttg tgatttgaca	3240
ggagaaccac gtaccattga caccatttat agatgtgacc atatacttgaa aattgttgaa	3300
ttaacagaga taagaacatg tcaatatgag ttacacataa acgttcctaa gttgtgcctg	3360
ttgccggaat ttaaaaggac taaccttgaa gaaggtgtct cagaaatact ctgtacaaga	3420
attgaataag cattaaattt aataaaaaac atcaaaaagt gtatgtcaaa gtatttttac	3480
ctttgtaatt agtagtttgt cagtttctat ataaacatag ggtagttcgt atatacgata	3540
tcggagcgat tctaaataag tcgtggaaat tggccgacaa tgggatttga attttacttg	3600

tgtgtgtgtg tgtgatctga ataatagtag tgctaaacaa cttaaattaa agaaaaaaag	3660
acaaaacaaa aaaaattaaa tctgcttatt gaaaatTTTT cgaaataggc taacccgtgt	3720
ttattagata ttagatagta cgatttgTtc aagtgtcaaa gatagcaaat ttttattgtt	3780
tcttctTTTT tatatacagc ttgttttaat ttcaggatca ttttacacta acctactcat	3840
cagcctatTT taatttatcc ttttggt	3868

<210> 112
 <211> 469
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 112	
taacgaatga atataaaata cttgtattat gtagtgccaa taaaagttga aacgggtcgca	60
ctacttttta gtccgtgttg tttgtgcact attttgtgtc agaaactgat ctatgaaaat	120
gatggttatt atgagaatgg aaaacttttc catcacacat caggtgatga cagaactaaa	180
ctatattgta tagtataaat aagggtatga aataccaaca tcccagaata ttaattatat	240
agaagggaag gagttttaat atatatcttg tgaataacaa cttcgggtcta attcactata	300
cacaactagg cgtgtacacg ctcaatctca agtaaagaaa gtttatattc catcaagtcc	360
catctgttaa atatttttTgt atctttttat ttttattttt ttttctttta atttcattta	420
catacattaa cacatctact aaccatatat cagcagatac aaaggcaag	469

<210> 113
 <211> 4545
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 113	
tgacgatcct gtatatttcg tcataattca cacattctta aaattatgca cacatccttg	60
aaatgtgtta atattcccaa cattatcaat tatatgtgtt cagaattgggt tgcaaagtta	120
tcaactcaat tcacgtata taaaccttac aaattctcta catTTTTata tttttttata	180
ttggcttttc ttttagaatc aatcaatact ttttttatca ttttagatata tctttcatct	240
attaatagat tatctttcta tatatcaaaa cagcagacag tcacgtgccaa aaaaggatat	300

aagaaggaac ttcagaaaat taatcttctg attatactac ttactagatt gcataaagtc	360
aatatctgat tgatacaact tggttcatta ttcataaaac ttaacaacta attcaacaag	420
gaaaccaac aaaaaaatcc aaataaaata atcaggaaaa tattataatt aattaattac	480
aaaaaaaaac aaaaaaatac acacacacat acacacacac aaaatcttgt tgcaaaaaaa	540
aaaaaataat aataatataa taagaattaa ttaacaatgt cgtttccacg gacacattca	600
ccaagaccat ctggttcacg agaacaggaa gatctcacac tgatgattaa agcttttaga	660
gattcaatgg aagctaagct tgacttgcac tcgcagaagc ttactgcttt ggtagcaaac	720
attcccagaa cggacgaagg gtttgaagat ttatcacaaa ggatcactgt tcttaaaaat	780
catcaaaaag catttttgcc caaacaagaa aaagaaatcg gaagtcttct ccacagacaa	840
agagaggaag aaggtgatat taaggatttc aaaacagtcg ttggtgaaga aaaagaagaa	900
ttgcaccagg ttgaagattt cgtttttaaaa gatcaagaag aattacgaaa cgtcgaaaag	960
aaagttttga aagaagaaga agaattgcaa aaagtggaag agtcaatgga aaaggaaaaa	1020
caagagttat accaggttga agactttatt ttgcaaagag atgagacggt aaagaaactt	1080
ggagaaagca atcaatctca acaggaacca tatacacctg caacttctgg ttcggatcag	1140
agattcagat ctcaacaacc taacattgga aataccttag cgcaggatct agcattaatt	1200
ccaaaattag atctggaaat ttgcaaaatt gcagtcaaat atccaaaatt atttgaaca	1260
aaattaagac caccaccacc cagagacttt caatataaaa ttcaactcac agaccacact	1320
caaatttatt caaaaccata taaatgcaat caagaagaac aagctctcat taaggatttc	1380
atcaatgaaa aattagaagc aggcgttttg gtaccagctc caattgatgc ttggttacac	1440
ccaatatttc caatcagaaa aaccaatgcc aaccaatcct ccacccaaat agcagttgat	1500
ttaagacgtc tcaataaggt cacagtacga atgtacactt atccaacaga cacaaaagac	1560
ctcttatact cactaacaga ttcccactat tttagcgctt tagacttaaa gaatgcgttc	1620
tatcaggtaa gcatacacaa ggatagtata aaatattttg ggatttcaac atccgagggg	1680
aattattgct ttacaacttt accgtttggg gcaatcaatt cccaaccat ctttactaac	1740
tttgtgagac agatttttaga ggggatccca tgtatattta tatacatgga tgatatctc	1800
atccatacta aaaccttaca tgaccacatg tcattactca ggagaatcat ggagaaacta	1860
aatgagcatc agtttcaaata gaattataac aagatgcaat tattaacaac aaaaatcaat	1920
ttcttagggg acagcattca agcgaacaaa atatcaccag atatttccaa aattcaagca	1980
atacaaaatt gggaattgcc cagcaccact actcaaatca gagcatttgt caatttcagc	2040

aaccactttc gcatcttcat cccagaaata gcaaaattta ctaatccatt aaatgaatta	2100
ttgaagaaca acaatggtaa aaacataaag attgaacaca cccaagcatc cattgatggt	2160
tacaaggcat taaaagccgc catcattgga ttgccgacgc ttcaacttta caatccaaaa	2220
ctaccaacca tcattttcac agatgctagc cacatggtag taggaggata tttatgtcaa	2280
ccaacattca gaaatgacaa agaagtcctt gtcccaattg ctttttcac acataaatta	2340
acagaaacac aaagcagata tgctgctatg gaaaaggaac ttttggcaat tattgtgata	2400
ttggaaaaat ttagatatca ctgcagcaat acggtagaga tctatacaga ttatcaaagt	2460
ttggcatcat atttagataa gaaaactact ccaccaccga gaattgctag gtttttagat	2520
ctaattggat ctttttcccc aaaagtgtac tatttaagtg gaaagaaaaa tttcgttgct	2580
gatattcatta caagatatca aactcaaaat attaaggaat tggtagatga agacaagata	2640
ctaggacaga cttttacagt caagagaaat ttgaaacaac aactattacc aagattggaa	2700
gcaattgaat tggaaaatct taatgaatca caggttcaca aaatccaaac ttcattagaa	2760
caacaacaac aacatgattt ggaagacaat gatgaagagt tacctctcca actgtttaaa	2820
ttaatgaatg atgagttatt tgtaatcatt aacaaccaac ttttaaaata ccttccaaga	2880
ctggaatata atgatatttg tcaaacaatc catgacaaac accatccatc aactagagta	2940
acagactact tatgcacact cgcattattg catcctgacc atctattaat tgctacaaac	3000
attacgagaa agtgtcacta ttgtcaacta aacacgtcaa ttcgtgaggc cattagacca	3060
taccgaccac ttgaaccact caaggcattt agcagatggg gaatggacta ctctggacca	3120
tactttaaca cagtccaaca caggtacata ttagtagccg tggaatatgt cactggttta	3180
actattgcag taccaacatt gcacaaagac gcagataacg caatcagtct tttacaatca	3240
atcattctga tcatgtcagc acctacagaa ttagttacag atcaaggtaa aaaaattttc	3300
atcacaagct ttggctaccc tatgtgacca gaataacata caacaccata ttacctccgc	3360
ccaccacca cgtgggaatg gtcgggttga gaaggtgaac cacctattga agaaaatatt	3420
gaaagcatta actaacgata cgatgcaaga ctgggattta aaactatatg acgctttaag	3480
aatctacaat gctacaccta caatttttaa ctacactcca ctttatcttg cacttggaa	3540
tgaaccacac cataatttaa atcaattaca aaaagattta attgaaaatt tgcaaaaaga	3600
attgccccca gaggtccaat ccacagaaga acacgaagaa aacccaaatg atgaacaaca	3660
agaagagggc agagaacaac aaatttcaag agaagaacaa caggacggca gagatcttgt	3720

acacttaaga atttacgaat tggaagcaat taagaaagct cgcaagttac acacaaatTT 3780
 gaaaacacga agaaacgcag tccaaaatat gttaaaggaa ccatatggca ttccagcacc 3840
 ttttcaaaaa ggacaatggg tatacagaat tagagctaaa gcacgaaaat atgaacaaaa 3900
 tttcgatggg ccatatcaag ttcaagaagt attaggtaaa ggtgcttata aattgagaga 3960
 catcaactgga agagaaaaag gaatctacaa tcaggatcaa ttgaagttag catattcagc 4020
 agacaacgac ccaatacagg tttttagttc tttcaataaa gaatatgac gagtacaaca 4080
 aaaattgtta gacaaaattc aatcggaaag agatcatcaa ttaaattggt tgcagtgcca 4140
 acatttacac agacaaagaa ggttactcga tatatccagc tgtcttgagc aaattctgca 4200
 ataatttcgc taatcattgg aggaaagggg agatgacgat cctgcatatt tcgtcataat 4260
 tcacacattc ttaaaattat gcacacatcc ttgaaatgtg ttaatatcc caacattatc 4320
 aattatatgt gttcagaatt gggtgcaaag ttatcaactc aattcacgct atataaacct 4380
 tacaatttct ctacatttta ttttttttta tattggcttt tcttttagaa tcaatcaata 4440
 cttttttatc atttagatac atctttcatc tattaataga ttatctttct atatatcaaa 4500
 acacgacaca gtcacgtgcc aaaaaggata taagaaggaa cttca 4545

<210> 114
 <211> 916
 <212> PRT
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 114

Met Ser Phe Pro Arg Thr His Ser Pro Arg Pro Ser Gly Ser Arg Glu
 1 5 10 15
 Gln Glu Asp Leu Thr Ser Met Ile Lys Ala Phe Arg Asp Ser Met Glu
 20 25 30
 Ala Lys Leu Asp Leu His Ser Gln Lys Leu Thr Ala Leu Val Ala Asn
 35 40 45
 Ile Pro Arg Thr Asp Glu Gly Phe Glu Asp Leu Ser Gln Arg Ile Thr
 50 55 60
 Val Leu Lys Asn His Gln Lys Ala Phe Leu Pro Lys Gln Glu Lys Glu
 65 70 75 80
 Ile Gly Ser Leu Leu His Arg Gln Arg Glu Glu Glu Gly Asp Ile Lys
 85 90 95

Asp Phe Lys Thr Val Val Gly Glu Glu Lys Glu Glu Leu His Gln Val
 100 105 110
 Glu Asp Phe Val Leu Lys Asp Gln Glu Glu Leu Arg Asn Val Glu Lys
 115 120 125
 Lys Val Leu Lys Glu Glu Glu Glu Leu Gln Lys Val Glu Glu Ser Met
 130 135 140
 Glu Lys Glu Lys Gln Glu Leu Tyr Gln Val Glu Asp Phe Ile Leu Gln
 145 150 155 160
 Arg Asp Glu Thr Val Lys Lys Leu Gly Glu Ser Asn Gln Ser Gln Gln
 165 170 175
 Glu Pro Tyr Thr Pro Ala Thr Ser Gly Ser Asp Gln Arg Phe Arg Ser
 180 185 190
 Gln Gln Pro Asn Ile Gly Asn Thr Leu Ala Gln Asp Leu Ala Leu Ile
 195 200 205
 Pro Lys Leu Asp Ser Glu Ile Cys Lys Ile Ala Val Lys Tyr Pro Lys
 210 215 220
 Leu Phe Glu Thr Lys Leu Arg Pro Pro Pro Pro Arg Asp Phe Gln Tyr
 225 230 235 240
 Lys Ile Gln Leu Thr Asp His Thr Gln Ile Tyr Ser Lys Pro Tyr Lys
 245 250 255
 Cys Asn Gln Glu Glu Gln Ala Leu Ile Lys Asp Phe Ile Asn Glu Lys
 260 265 270
 Leu Glu Ala Gly Val Leu Val Pro Ala Pro Ile Asp Ala Trp Leu His
 275 280 285
 Pro Ile Phe Pro Ile Arg Lys Thr Asn Ala Asn Gln Ser Ser Thr Lys
 290 295 300
 Ile Ala Val Asp Leu Arg Arg Leu Asn Lys Val Thr Val Arg Met Tyr
 305 310 315 320
 Thr Tyr Pro Thr Asp Thr Lys Asp Leu Leu Ser Ser Leu Thr Asp Ser
 325 330 335
 His Tyr Phe Ser Ala Leu Asp Leu Lys Asn Ala Phe Tyr Gln Val Ser
 340 345 350
 Ile His Lys Asp Ser Ile Lys Tyr Phe Gly Ile Ser Thr Ser Glu Gly
 355 360 365
 Asn Tyr Cys Phe Thr Thr Leu Pro Phe Gly Ala Ile Asn Ser Pro Thr
 370 375 380
 Ile Phe Thr Asn Phe Val Arg Gln Ile Leu Glu Gly Ile Pro Cys Ile
 385 390 395 400

Phe Ile Tyr Met Asp Asp Ile Leu Ile His Thr Lys Thr Leu His Asp
 405 410 415
 His Met Ser Leu Leu Arg Arg Ile Met Glu Lys Leu Asn Glu His Gln
 420 425 430
 Phe Gln Met Asn Tyr Asn Lys Met Gln Leu Leu Thr Thr Lys Ile Asn
 435 440 445
 Phe Leu Gly Tyr Ser Ile Gln Ala Asn Lys Ile Ser Pro Asp Ile Ser
 450 455 460
 Lys Ile Gln Ala Ile Gln Asn Trp Glu Leu Pro Thr Thr Thr Thr Gln
 465 470 475 480
 Ile Arg Ala Phe Val Asn Phe Ser Asn His Phe Arg Ile Phe Ile Pro
 485 490 495
 Glu Ile Ala Lys Phe Thr Asn Pro Leu Asn Glu Leu Leu Lys Asn Asn
 500 505 510
 Asn Gly Lys Asn Ile Lys Ile Glu His Thr Gln Ala Ser Ile Asp Gly
 515 520 525
 Tyr Lys Ala Leu Lys Ala Ala Ile Ile Gly Leu Pro Thr Leu Gln Leu
 530 535 540
 Tyr Asn Pro Lys Leu Pro Thr Ile Ile Phe Thr Asp Ala Ser His Met
 545 550 555 560
 Val Val Gly Gly Tyr Leu Cys Gln Pro Thr Phe Arg Asn Asp Lys Glu
 565 570 575
 Val Leu Val Pro Ile Ala Phe Ser Ser His Lys Leu Thr Glu Thr Gln
 580 585 590
 Ser Arg Tyr Ala Ala Met Glu Lys Glu Leu Leu Ala Ile Ile Val Ile
 595 600 605
 Leu Glu Lys Phe Arg Tyr His Cys Ser Asn Thr Val Glu Ile Tyr Thr
 610 615 620
 Asp Tyr Gln Ser Leu Ala Ser Tyr Leu Asp Lys Lys Thr Thr Pro Pro
 625 630 635 640
 Pro Arg Ile Ala Arg Phe Leu Asp Leu Ile Gly Ser Phe Ser Pro Lys
 645 650 655
 Val Tyr Tyr Leu Ser Gly Lys Lys Asn Phe Val Ala Asp Ile Ile Thr
 660 665 670
 Arg Tyr Gln Thr Gln Asn Ile Lys Glu Leu Val Asp Glu Asp Lys Ile
 675 680 685
 Leu Gly Gln Thr Phe Thr Val Lys Arg Asn Leu Lys Gln Gln Leu Leu
 690 695 700

Pro Arg Leu Glu Ala Ile Glu Leu Glu Asn Leu Asn Glu Ser Gln Val
705 710 715 720

His Lys Ile Gln Thr Ser Leu Glu Gln Gln Gln His Asp Leu Glu
725 730 735

Asp Asn Asp Glu Glu Leu Pro Leu Gln Ser Phe Lys Leu Met Asn Asp
740 745 750

Glu Leu Phe Val Ile Ile Asn Asn Gln Leu Leu Lys Tyr Leu Pro Arg
755 760 765

Ser Glu Tyr Asn Asp Ile Cys Gln Thr Ile His Asp Lys His His Pro
770 775 780

Ser Thr Arg Val Thr Asp Tyr Leu Cys Thr Leu Ala Tyr Trp His Pro
785 790 795 800

Asp His Leu Leu Ile Ala Thr Asn Ile Thr Arg Lys Cys His Tyr Cys
805 810 815

Gln Leu Asn Thr Ser Ile Arg Glu Ala Ile Arg Pro Tyr Arg Pro Leu
820 825 830

Glu Pro Leu Lys Ala Phe Ser Arg Trp Gly Met Asp Tyr Ser Gly Pro
835 840 845

Tyr Phe Asn Thr Val Gln His Arg Tyr Ile Leu Val Ala Val Glu Tyr
850 855 860

Val Thr Gly Leu Thr Ile Ala Val Pro Thr Leu His Lys Asp Ala Asp
865 870 875 880

Asn Ala Ile Ser Leu Leu Gln Ser Ile Ile Ser Ile Met Ser Ala Pro
885 890 895

Thr Glu Leu Val Thr Asp Gln Gly Lys Lys Ile Phe Ile Thr Ser Phe
900 905 910

Gly Tyr Pro Met
915

<210> 115

<211> 253

<212> PRT

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 115

Met Gln Asp Trp Asp Leu Lys Leu Tyr Asp Ala Leu Arg Ile Tyr Asn
1 5 10 15

Ala Thr Pro Thr Ile Phe Asn Tyr Thr Pro Leu Tyr Leu Ala Leu Gly
20 25 30

Ile Glu Pro His His Asn Leu Asn Gln Leu Gln Lys Asp Leu Ile Glu
 35 40 45
 Asn Leu Gln Lys Glu Leu Pro Pro Glu Val Gln Ser Thr Glu Glu His
 50 55 60
 Glu Glu Asn Pro Asn Asp Glu Gln Gln Glu Glu Gly Arg Glu Gln Gln
 65 70 75 80
 Ile Ser Arg Glu Glu Gln Gln Asp Gly Arg Asp Leu Val His Leu Arg
 85 90 95
 Ile Tyr Glu Leu Glu Ala Ile Lys Lys Ala Arg Lys Leu His Thr Asn
 100 105 110
 Leu Lys Thr Arg Arg Asn Ala Val Gln Asn Met Leu Lys Glu Pro Tyr
 115 120 125
 Gly Ile Pro Ala Pro Phe Thr Lys Gly Gln Trp Val Tyr Arg Ile Arg
 130 135 140
 Ala Lys Ala Arg Lys Tyr Glu Pro Asn Phe Asp Gly Pro Tyr Gln Val
 145 150 155 160
 Gln Glu Val Leu Gly Lys Gly Ala Tyr Lys Leu Arg Asp Ile Thr Gly
 165 170 175
 Arg Glu Lys Gly Ile Tyr Asn Gln Asp Gln Leu Lys Leu Ala Tyr Ser
 180 185 190
 Ala Asp Asn Asp Pro Ile Gln Val Phe Ser Ser Phe Asn Lys Glu Tyr
 195 200 205
 Asp Arg Val Gln Gln Lys Leu Leu Asp Lys Ile Gln Ser Glu Arg Asp
 210 215 220
 His Gln Leu Asn Cys Leu Ser Val Gln His Leu His Arg Gln Arg Arg
 225 230 235 240
 Leu Leu Asp Ile Ser Ser Cys Leu Glu Gln Ile Ser Gln
 245 250

<210> 116
 <211> 2093
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 116

ttttcccaca aataatatca acaatatttc atattttcca tcatgctaga gaagatcaag 60
 ttataactac attaattggt tatgtttata aattgactca aatttggtta aaatttgaat 120
 tacattctga aattagaaaa atcattgata aattaattaa atttactact ttaactcaca 180

cacctaataaa cottaatgaa attttaatta ctgaagtcaa attagataat aaaaccgaaa	240
tttatgttag tgattatgct tgttcatttg gtcgtgattt taaagctcaa ttatcaacgg	300
tggttttatt taaaataatc aagaaaaata atcttaaatt gaaaaattgg gataaaattg	360
tggaattat tgaaaaatta tatcaatatt cattgattat tgatgagaag gatactacta	420
ctactactac taccaatgat aataaggaag gtgatgatga aaaggataat aaggaagcca	480
ctgttgagac tgacaactca atattgaaat tattgccttc aaaagatatt aaaaaattcc	540
ctattaaaag aataactaat gatctgtttc tttcaatatt gaaaaattta attgataatc	600
aacctactga agaagaaatt caatcaactt tagcagctat ggattgtatt aaatcattag	660
atatcttgaa tgtattaaga attgttgctg aatccaagaa acaagctaac taaatctaaa	720
caatctaaac atctaaacat ctaaatatat atatatatct attgtattat tatatttgta	780
aaattttgta gtttgcagtg gttggaataa atgataggag gatgttccat ttgtgataca	840
ctatttctac aaactgtcaa attcaataat caaacttggt gccaaagaaa gataacaaag	900
aaggctatth ggtttacaag gtacaacaag aacatgggta tatcaccacg atagttagt	960
aattttgtaa atcttctttc tctgttttac ttagcctcat ttagtccttt ctttcagttc	1020
caaagtagga tgtgcaacat ggccaattat caacaataag ctagcattgc ataatggtag	1080
tgattgtact gaagagaaca atacactaat ctattccatt gacgacggaa taagtggact	1140
gataattcac atggataatt cagtccactc tgagaggaat ttctctttta tataatagaa	1200
aattcctcaa ggtattagat tgtatattht ctatagataa ctaaccttga acacaagaat	1260
actatcgctt ttcgttgag attatcgctc aaaacttttc aataactttt gggctctttt	1320
ttaacaataa ccaataaatc attacaaaga attacaaaaa gggctataat gacaaatttc	1380
acatagataa gaaatatagg ttttattact ttttgcataa ttgctgactt ctatttttgg	1440
tttggagata tttagaacgt ttgattgtgg ggggtattact tccaaaaaaa acaaaaattt	1500
gtaaacctg acgatcctgt atatttcgtc ataattcaca cattcttaaa attatgcaca	1560
catccttgaa atgtgttaat attcccaaca ttatcaatta tatgtgttca gaattgggtg	1620
caaagttatc aactcaattc acgctatata aaccttaca attctctaca tttttatatt	1680
tttttatatt ggcttttctt ttagaatcaa tcaatacttt ttttatcatt tagatacatc	1740
tttcatctat taatagatta tctttctata tatcaaaaca cgacacagtc acgtgccaaa	1800
aaggatataa gaaggaactt caccctctg ctcttcttat tattgtgtgt ggtgtaagtt	1860

cagcgggtag tcctacctga ttgaggtca aagtttgaag atatacgtgg tggacgttac 1920
cgccgcaagc aatgtttttg gttagaccta agccattgtc aaagcgatcc cgccttacca 1980
ctaccgtctt tcaagcaaac ccaagtcgta ttgctcaaca ccaaaccag cggtttgagg 2040
gagaaacgac gctcaaacag gcatgccctc cggaatacca gagggcgcaa tgt 2093

<210> 117
<211> 2099
<212> DNA
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 117

acatttttca atattgaaag ataaatatag cattccaaaa aaaaaagtga cttctgtgtt 60
cacatttaac caacaaattc ccacaacagc ttgcacaaac tgctatctac taggcttacg 120
agacacaagt gttaccaaata agtgatacac ttatacttta actcatagaa gagaattaga 180
tactcggaat attactcaac atattcccaa aataatcgta aagataaatc tttgagagtt 240
aatactagag agctcaattc taggcacaaa taccacactt tttacgagta gtgggtaaga 300
gttcgtacac atgatgcaac aactttctag tacctacttg cacaaagtgt agtttgcaaa 360
aaactttgct cctccatagc atgtatctca atactccaga aaatccgata aagcaactct 420
ccgatgggtca tgcaagtatt cgcctttctc ttttgtagat ttatgtagtt tcaagatgac 480
actgaactcc tgagtattaa agtagattaa taatagaagg tattgcctaa tgccgagaaa 540
gtaaacacca gatcaaata atgctttact atgaaacttg tttgtgttgt gtggattggc 600
caaacaaaga tcatgctgat atctgtaaata ctctggaacg ggggatagga ataaacttga 660
aacaatataa acgagggtgtt ttccttttct ggtgcttgat ttgaaacgtg tacattccct 720
ctttttctct tagttaacaa tattgcataa tagtgaggat gtgagcgtaa gacagaaagc 780
agcagcatgg gaatagttca gcctattatt gtcgcaaagc tgcattattg ttcttctatt 840
aaacttttga atcttctctt ttaagtaaata taattaataa cttgattgtt ccatttacat 900
ccattttcta tttctgtgta atcttcgttt attttgcggt ttgaatactt ccaaatttaa 960
ttaaatttgt tcctaaaata gaagctgtta tacttgccc gccaaacca ttttaatagt 1020
gatccttatt tcaatttaata ttgttcacgt tatactctctg aatttgatta atacttgcta 1080
cagatatttg gaaatcataa tttatgattt ctccggaatg taactgagtg gccagaagat 1140
atatagtaac acataaatac gtacacaaca ccagaacaac cgcaacattc aagtggaact 1200

agtatgtgtt gaaaaaacag acaaattaat cgggatagga agagatggga aaggggggtg	1260
agagaaaagc aaagaaaaaa aaaaaagaaa aaaaagaaca aaaatcaaat ggtacaaaaa	1320
aaaagacaca tcttctacac aattaacaaa aactgccttc tgatggcaag aaatctacct	1380
cacatacata cttaaattgga ataaagaaag taatctataa aaataattta acatgactaa	1440
cgtatttcaa gtaaaaaggt caaaattaga gaaccaccca caatcaacta ttttctactc	1500
tcaattgttt tttcttttta gttcttataa ttatcaacat tttccttact caaatctttc	1560
accttgacga tctgcatat ttcgtcataa ttcacacatt cttaaaatta ttcacacatc	1620
cttgaaatgt gttaatatcc ccaacattat caattatatg tgttcagaat tgggtgcaaa	1680
gttatcaact caattcacgc tatataaacc ttacaatttc tctacatttt tatatttttt	1740
tatattggct tttcttttag aatcaatcaa tacttttttt atcattttaga tacatctttc	1800
atctattaat agattatctt tctatatatc aaaacacgac acagtcacgt gccaaaaagg	1860
atataagaag gaacttcaac ctgttctttt cttttttatt tttaaatttg attattatta	1920
attttttttt cttttctttc cttaccaatt tttctttgct tgacttattc aaaaggtgaa	1980
acagggattt tccaattcac atagccaaaa gtatttttgg tttccacatt ctttcaaaac	2040
aatatttgtg ctacctcccc cttccacca aaagtatccg attccaacca taaagcagc	2099

<210> 118
 <211> 3284
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 118	
taataagtac caactaaatc aaaacaagcg accaaattga ataataggaa gacaaaaaaa	60
aaagagagaa aacagtacca aaatagatat agtatgtagt tacatttact caacatagtt	120
attaggtaca aatccaattc tgtagctctc atcatcaatt cttgagactc caatcacca	180
atttaactca tctgaatgat acaatgtatc aatattctga aaatctaata aaatttcaat	240
attatcgccc tgtttaaatg acaaatcacc tgggtcataa ccactaaaat cgtattttgc	300
agttttcaaa actttattat cgggtgtaat gttcaacttt tcaaaaaagc tttgtatcaa	360
attcaacttg taagtcaaac tcataggctt ttcaaacgta aaaggttcat actggattgg	420
cttgggtgtg attgggcttt ctttaatctc attcttactg ccattgtata tccttcttaa	480

tttagcttcg gatgaatcat ggtttgagta cgaaacactt gacatggagc taattgatga	540
agcttctgac ataatagttg cgctctcgtc ttcaaaatct gatagcagta tagaatccat	600
agaatctgta gaaatagaat ataaccgtga ggcacctgca gaagacattg gcgagacaag	660
aacagaatgc ctcataatag cagtgtttga cctaggtggc aattcaggac catctttctt	720
cggcactgct ggtaccttta tatcttcctc atcgactaat ttccgtggat gatatgtttc	780
cgatgggttc atcgatggat cttggtactg tttgtatgcc accaagggat cgatttctaa	840
agtatcattg aatatgccat ttaccttgtc tttgtattc acaacatgtt tcttttcaac	900
aaatttatta ctcatattac gccaaaatct gtaatagttc agcagcgaat cttcatcatt	960
gatctcctta tcaagcaaat ccgggtgttt ctcgtagcaca attgttagaa gagactctat	1020
ctgcaacctt gtagctgtac tgttcagttc ccaatcgctt attatttcag tatacgattt	1080
tggatgaattt tctttaatca atccataaaa ctctgtaaaa tattgaaaag tatcagttag	1140
ctttttaaac gtctccaatt gttgacataa tatcatcttg gtaatatttt caacaaactc	1200
atcaagaaat gaaactatgt taggcaataa ttcaatacac tttttattca agctgttgaa	1260
cgcagcatca actgtctgat atgttgtttc taatttctca agtttgtcat tatctttctc	1320
gtccaatgga atcgctttct ggttcaattt ctcaattttg cgatgcaa at gatcctgttc	1380
tgttcgtttc atattacgct ttttaatcaa tttcaaagtt ttcttcaagt atttcttcat	1440
ttcgtcaatt ctatatttga gagattcgtc atatgcttcc caattatttt ccaaatacaa	1500
ttttaagttc tccaccgtga tcaaataatt attcaactct tcatttatag attcattcaa	1560
aaattgcac tcctttgggt gtacatgtgg gatttcttgt gttgcttgcc atgaatcaaa	1620
ttcttggtaa tactcgttga ttttatcaaa acgcaaagag tcttgaccaa tcaagttgat	1680
aaatccttta ataattttaa tattcaggcc gagcacatgt ggcaagaaac tcttgacaa	1740
atggtgattc tgcgatgtga tgtacttcaa accagaaact gattgtttga tatcgtgata	1800
ataaatctca acaagttcat catccttacc gtaatctctg gtgtggaatg taactgtgtc	1860
ttcaatgttg taggatatat ttttgaattc tgattcagtg tacttgtacc cgtccttaat	1920
atgagttcca atattagacg atatacagaac aatattattt ttcaattgat ccacaacat	1980
cgttgtcttt tatctatcag tagtaaattg aaaggtgggg ggatagaaaa tgaactagaa	2040
aaagaaagt atgattctaa aaaaaaatt tctcaaatac aaataactaag ataagtgttg	2100
attatatgac aacaggggtg gaaagtcaat tattaattaa ggaccattgt agttaagctg	2160
cgcatagaag cagaaatgtg tgcaagaaca ggaacggacg ggaaaaataa taagctattt	2220

gaattaacac gaaataacgt gacctaaatt aaaataagaa taaggaaaaa aaaaaaagat	2280
aggctttgaa ttaatgggtt agtcactttt gaactgataa ttgttgatct tgaactagta	2340
atgattagtt taaaaacca acaggaacac ttagtttgga aaatatgagt ctccatagat	2400
cttctcttta acttatgcac ggagcttaaa agtacagtta gactcaaaaa cgaatatttt	2460
agtgcaatct ctacagtatt ggggtctgct cacaatcaag aagaataacc atttaaaggc	2520
gctctgttgt agaaattggt tgtctctaca aacgaccacg attagtaaga gaggggagga	2580
aagacaagaa aaaagggggt aatcatgata attgctaaaa agttgaattt ttgtaaagtc	2640
cacccgagag ttggtagctt tttagattct agatctaaca gcagttctct gtaccgtgtc	2700
aaaatatcaa ttgtggatcc aatacagcta ttgtagtggg acttactgat gacgatcctg	2760
catatttcgt cataattcac acattcttaa aattattcac acatccttga aatgtgttaa	2820
tattcccaac attatcaatt atatgtgttc agaattgggt gcaaagttat caactcaatt	2880
cacgctatat aaaccttaca atttctctac atttttatat ttttttatat tggcttttct	2940
tttagaatca atcaatactt tttttatcat ttagatacat ctttcatcta ttaatagatt	3000
atctttctat atatcaaac acgacacagt cacgtgcaa aaaggatata agaaggaact	3060
tcaacctgtt cttttctttt ttatttttaa atttgattat tattaatttt tttttccttt	3120
ctttccttac caatttttct ttgcttgact tattcaaaag gtgaaacagg gattttccaa	3180
ttcacatagc caaaagtatt ttgggttcc acattccttc aaaacaatat ttgtgctacc	3240
tcccccttcc caccaaaagt atccgattcc aaccataaag cagc	3284

<210> 119
 <211> 791
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 119	
aataatgtca atttattacc aagtttccaa agttgtcttg ttggtagatt atattgttta	60
cagattatgg tacgttataa aggtactaat aatgatcaaa atgaatttgc tgataatata	120
gttaaactag atgtaccaat attagtagga taaataaaga atcaataacc atggcacgtg	180
aatatgaaaa ggtaggggct aatataagtg taagtgtagt gtataaatta caaaacaaaa	240
aaggctgttg ttattaagat gagtcaactg tgtaagtgac gatcctgcat atttcgtcat	300

aattcacaca ttcttaaaat tattcacaca tccttgaaat gtgttaatat tcccaacatt	360
atcaattata tgtgttcaga attggttgca aagttatcaa ctcaattcac gctatataaa	420
cottacaatt tctctacatt tttatatttt tttatattgg cttttctttt agaatcaatc	480
aatacttttt ttatcattta gatacatctt tcacttatta atagattatc tttctatata	540
tcaaaacacg acacagtcac gtgccaaaaa ggatataaga aggaacttca tcttgattgc	600
gccgcaagca acaacaata agccaaggaa agtatatact ccagatctac tatgagtatg	660
acacagctta ttaatgatca agtctacaac ttctactact aaacacgttc ttaacaaatc	720
aaacagtatt caattgtttt aaaaaacact atacaaaatt aatcaataaa aaacaactaa	780
agctaattct a	791

<210> 120
 <211> 4581
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 120	
tgggaattat tagaggattc tttttcagtg gatataataa taacgaataa attccttggt	60
taattatttt aagggaagaa aaaaaaata atcaacaac caaccctctt tataattaac	120
aagactacaa cttaataaaa atgggatatc caccaaattt caaaattggt actaaatcat	180
taacagaaaa cattttatta gcatcaacgg ctttttcaag agttgataaa ttcaattttg	240
gtgctcgtat ggcggtattt aaatttcctc aatcaaataa aatcatttta tggtcaccat	300
taccttatac accacaagta attgatgttt tgacaaaatt taccaataat accaatgaat	360
caaattttaa tattgcttat gtgataattc ctgatcgtga acataattta gctgctaaat	420
catataaaga aaaatttccc ggggtgtaa taattggaat ggaaggatta gatgaaaatt	480
cattgaaatt ggattataaa ttataaaaac tgatgggtaa taaagtttta aaaaatgatg	540
aattaaaaca aatctttaat gacagtgaca gtggcttgat tgttgataat tttgaatttg	600
tttatttacc aatcatgca aatcaagaat tgggtgtatt tgataaatca tcatcaacat	660
tatttgaagc cgatttatta ttcaatttag gtgtaccggg gtcaactctg ggtgaaacca	720
ttttagaaca atattcacca gagttggggg tcctaaagg gtttaatcct cattctgggt	780
ggtcatttat aactagatat ttacaacat attctaaagt tggtcgtttc ttatttagaa	840
aaattgttga tataaatcat agtaaactg gattagaagc tattttataat tcatgggatt	900

ttaaaactat tgttatgtgt catggaaata ttataactaa agatgctaaa gaagcattta	960
aacatgtttt tgtataaaag taaaagaatt gaagaagata gtcaaatagt aataatcaga	1020
atatatgtat gttttttttt gaagaaaatt aaagaatata ttacgaaat aataataata	1080
aaaataaaaa gactaactat tttgaataga aaaaaaagggt ggcaactatctt caatgagata	1140
aaccaattgt gaatatacgt agatgccttg cagcagacaa tataaccaa tggtgaacaa	1200
tatgtgggat aaatagcatt ttcatctgtg ccattgatat tgcatttata tcctattgtt	1260
gaacagtgc agcacctgtg gcggtggcta ttacataaca gaacaagtgg aacagcagtt	1320
accagtcaga acagatctaa cagcattgtt tttagcagca gcactcttat ctttggtttg	1380
accagatcca gtttttttag attgttgttg agcagccatt ttttatttga atttgttgat	1440
tgagttaata tagtttataa gaattgagag ttacttgttt gagttgttga ttaagaatag	1500
attaaacaaa aatatacaag agaactctgta gacatattta tactcatgaa tttatatata	1560
tatctatgct tatattcatt tgatgtataa attgacatga ttatgaactg caagaggttt	1620
gattttgatt tgtctgcaaa aaaaatatgc tctatttttc gcaattacc cccaaccccc	1680
ccctcacaaa gttccgagtt tagttgaaa aatgtttcga tagagtaaaa tttcaggaac	1740
aaaattgact aattgggaga tgacaatgag aaacagtttt gagacttgat catacttccc	1800
catacgtca cctctttacg ttaaataatag ctctttacgt tctctacaat aatttttttg	1860
acttattgat atttcttaaa atgggtacat gaaataaaac aaagagattc ataggaatat	1920
tactttttca ggtagacaca atgcagctaa ggttggattt ctcaggaaat atcattcaag	1980
ctttatctgt tagttagtgc tgttatttat tactggtgaa ctacaccaa gcatactgaa	2040
ggcattttac gaggtttttg aaagctctta ctatgtagca actcatctag tacttagtag	2100
aggaagtgc tcaagtatgg atcaaccaag tgttacctta tatcattggg ttaaacattg	2160
taagactcag ttcgaaaaaa aaattaagggt ttctacttac cactttcatg tggcttaaag	2220
ttgtggatgt gatattgaat atgtttcaga tttgtcatga aacaataaga acaataataa	2280
agaagaaatc aaatcaatct tcaatgtatg tatgtttctg tatggcgcat gtgggttctt	2340
tgttttaaaa aaaaaacttt aaattgagtt tgttttttct ttctttgtta gtcaatcaaa	2400
ctttaaaaaa gaagaacaag tagaaatagt atagtaaatt gatatagata cttttattac	2460
taataacaaa tctttaatgg aatttatctg aaattaattg tcaagtttta attcagtaat	2520
gattgatatt actctaaaac aaatgctgtg tggggttgtt ttgtttgacc tgaagtgtcc	2580

aagctttcct gcttcatgat ctaactcttt gtactgctac acctacattg ggaaatattg	2640
accttatagt aacacttact ttctttttatt aattgtctaa actatgcttt tgatcaattc	2700
acacgtactt cattttcttct cccctgacga tcctgcatat ttcgtcataa ttcacacatt	2760
cttaaaatta tgcacacatc cttgaaatgt gttaatattc ccaacattat caattatatg	2820
tgttcagaat tgggttgcaaa gttatcaact caattcacgc tatataaacc ttacaatttc	2880
tctacatttt tatatttttt tatattggct ttcttttaga atcaatcaat acttttttta	2940
tcatttagat acatctttca tctattaata gattatcttt ctatatatca aaacacgaca	3000
cagtcacgtg ccaaaaagga tataagaagg aacttcaccc ccttgctctt cttattattg	3060
tgtgtggtgt aatagtttat ggtgtggtgt atgattgcgt gtgtgggtgc aaaaaaagg	3120
tgaagaaaaa aatacctcaa aataaaaaca acttcaaaca ttccctcat tttctttcac	3180
agtcatttgg tttcaatctc tattgggtctt ctttaatcat cactatttat tccagtttat	3240
aagtcgaaaa aagttagttc attgttcaat tgggtttatt tatatttaat actatgcact	3300
tgttcttctt tgactaactc acatgagaaa gagagagtga ggagagggtg aatctattct	3360
ttctattgat tatgcataat tttcaatcag gtgataaata acattatcga ttgttctgtg	3420
tatacgtttg catatctttc ttatctatct tcatagtaag agagagatta gatatcatga	3480
tattgaatag agcgtgtaat tatcaattca ctatcattgt agaaccaccc tcagttgatc	3540
ttgtaattga aagttacaga tgagttgatt atgcgtatag gaaagtattg aagtaaataa	3600
agtcggtgtg tattatctct tttctctcgc attttattgc tttatcatte atcatctctt	3660
ttcttttctt tttattcttc ctttaataca atagtgggtca aggggggggag gaggaagaaa	3720
ttgcaatcta tagtaacatt gatgttcccc tctttctgat tagtaatccc cctttcacta	3780
ttagcaacaa taaactatat atatatgtat atcaaacctc ccttccttcc ggtcttcatt	3840
tttgttctct tttcgttgac tagaactttc ttaacaaact tcaaaactat catgccccgat	3900
ttatttgata atatttttaa taaaattggt acaaaattca ctggtggcaa aaccactcat	3960
cattatggtg gtgcatctca agtaaatacc gggaaatggt atagttatac cagtagtgcc	4020
agtaataata attattggtt acctcgagaa agtcaaacaa agacaccagg tactcaagca	4080
gaagaaccag aaacagttca atttaaagtg gatcgatcaa tgagtgttgg atcaattact	4140
gaagattctg gtgctgctgg tgctggcggg gatcgatcaa gaatgaatag tattactgaa	4200
taattgtata tacaacgtat ataaataggc tggctcttatt attattgctt ttaatttagt	4260
atcttttgaa agataaattg gttagtgacg tttttttttt taataaattt gtttctatat	4320

taatataaaa ttcagttatt attattaata gtaatccaat tgtaattatt tataatgata	4380
tatataaata tatttaatat acagtttggtt attattattc tttagttttg ctttaaaatt	4440
tattttactt tactttactt tatatgatat tatatctgta ttaatgacga actgaaattg	4500
gtgaaatcgg cattagatta tggactgagg ataaaacagt tgaataaggg ggaggaggtt	4560
tgatgtggtg gtgtcatatc a	4581

<210> 121
 <211> 5325
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 121

aatgggttta tacaatcaag gacaccggtc gctacaaggc tcgccttggtg gcacttggtt	60
atcgacaaca ggctgggtgtg gactttctcg aaacgtatgc tcccgatgatt cgtggagaat	120
caatcaaact aatctttgca ctgcggtcaa aatccaaact aaagattcat tccatagatg	180
ttaccacagc tttctcaac ggggaaatac tggaactcat atttggtgaaa caacctccgg	240
gatatgaaga taagaagcgt cctaatactg tttgtaagct caatcgcagc ttatatgggc	300
ttaagcagct gccactaatg tggaacatta aattaaatga tgtacttata aaggaaggtt	360
tccgtcgact tgggtggtgac ttagggatat acattagtaa ggacaaaaga acaataatgg	420
gagtttatgt tgacgacatt ctcatctgtg gaccttctga cagtgaatt gaacaagtaa	480
agaacaacgt gagaaaatac ttctcaataa ctgataatgg attatgccga aaattccttg	540
gaattaacgt ctatcaacaa gcaaatgaaa taagattaag tttgaatgat tatataagga	600
gaatgattga ggagttaaaa ttatctgtct cagaaacaaa cccagtatct ataccatctg	660
atgtcaatta tgaaatattt aaagttaacg aaaatgatga tgagaaacca tgtgatcaaa	720
ccaaataccg aagtttgata ggcaagctct tgtttgccag taatactata aggtttgaca	780
tcgcctattc tgtcaactcc ctatccaggt ttatcaacga tcccaaagaa aaacattgga	840
ttgcagctgt caaggtggta aaatatctca gtggtactca acggtatggt atttggtata	900
acggtaacgg tgacttgaat atttacgctg atagtgattg ggcttccact ccatctgac	960
gaaagtctat tacgggggtac attgttacct atgctggagc gccgataagt tggcgttcca	1020
agaagcagaa cgtgatagcc ttgagtacga cagaagcggg gtttatggct ctcacagagt	1080

ccataaagga agccctttgg ctaatatata tttttcgaga tattaatgtg atattgaaat	1140
taccaattgt gatatatgaa gacaacctac tgtgtcagaa attacttgaa aatcctcgat	1200
tccataatag gacaaaacac attgacttga aatataaatt taccaaagac catatagaag	1260
ctggtacaat caaagtggaa tcaactaatt cagcagataa cttagccgac atgctaacta	1320
aacctttacc aaaaattaaa tttaaactt taagatggct agcaggatta agacctttag	1380
attgattaga taatgataaa atgaaataaa gattaatttg gagatgcagg ttgatgggga	1440
ggatgttggg aaaatgaaat atgatcaatc ctgcatctag aacctgtggc agaatgaaac	1500
ctacgagatt atgaatgact tgtgaatata agttgaatgt tacagaatgt taccaagaag	1560
gttacacttg aatatatgaa tgactagaaa gtgaattgaa tgttacagaa cctgaataac	1620
aatgttacac gaatgtgtga atgatatgag tttatctata gtaatgtgac atatacacia	1680
aggtgtgaat gaccgagaaa acagatgtta cattacgggc actggagagt gcaagtctaa	1740
agaatcttgg agtagaaata agtaataata aaaggaccaa agattcttta gagaaaagta	1800
aatgaaacta tattagattt tatataacta actaaciaat aaataaaaaa tataatatgt	1860
ctacaatgcc accaacttcc aaacgtacta gaaagagaac tagaaccgat gataatgctg	1920
aaccaactat tcaagatcct tcaccgccac ttgctaattgt tgaaccacaa attcaagaga	1980
ctccaccgct ggttgaagtt agtgatgaga ctaattcaac tgaaatcaat gagacaaata	2040
gtaatactca tgaagaaaca aatgtattaa ctaatgtgca ctctctcca atcgagacag	2100
ttactgagag gaacttcaat tttcaacagg ttattgcctc tatctccact gtggacaatc	2160
aaagtctctt gaaggataaa atttcttatg atcattgggt cagtacctg aaagaaaatg	2220
caatcatgat tagtcagat tttcttgact ttattaacia agacaccatg gatctccaac	2280
agtaccaac tgtctacca acattcttag atcgtcttat ttgtgccaca attgaccac	2340
atatcaaca atctttaaaa tatcggaagt tatcaggaaa gaaaatgctt agtgaaatta	2400
tctctcaatt tggttctatg actattaaag acaaggttaa ctactccata attatggcta	2460
ccaaaattca ttctgatgtc accactcatt tagacaaaat gaatttactg gctcaatttt	2520
acgcatttct tatgcgtcaa cctcaggacc ttaaactgc ctttttactt attgcgggta	2580
tcaatgactc acgtttcaat gaaacatact ttcacgataa caagaatta acgatctcta	2640
agttggaacg gtatatcatt aatcaaaact ccaaaattac tccgtcggta ccaacacctt	2700
ctccacgtga cgtgttacg ggtttactgg ttaccagcc tacgtccgct ctgggacaaa	2760
gtgaagtgtt taatacacia tgttttaatt gctttgggtt gggccacact gcacgtcgct	2820

gtgcctctcc gaaacgtctt ggccaaataa acaaccttag atctaaatta cttgcgtttg	2880
aaactcgatc caaatccaga aagcgttttc cacctcaacc tctcctacg aatcggtcgg	2940
caaactcaac aataataact aatccctcac ctactgacga taccatctcg tccaccactg	3000
aagattcttt tccacgggac gtctttggat gggcggcatc atctgaccaa atcaaataa	3060
aggacaacct ttctttattt ttgacacag gtgcctcggc acatcttatc aataatctca	3120
atctacttca tgattacaaa cctctaaag aaaacaaaca tgtgatcact gcgaacggtg	3180
ataaaattcc tatcttagga actggaactg tgaaactcca acatggtcaa cacaagatat	3240
cacttcgcaa ttgccaatat tctccacatc tacacatcaa tcttatctca cccagactct	3300
tacttgatga ttccactagc atgactatca cccaatccgg gatttatcac tccaaaattg	3360
gacaaaattg gtattattcg actgaagatg gtaatctaata caagtgtatg ttccgtccca	3420
ttaccattcc tcatctttcg ttatattctc aatatgtcga aatgggtctt caatctaaca	3480
atgtactacg taacattcca gctttcacgg tccatattcc tcaactacat gactcccttg	3540
gacacacatc tactcaacaa gtttcaaag tcatgaaacg tttcaatgtc actactgaca	3600
acattggtac ggactgcgaa acttgctcggc ttggaaaagc cattactcag attcccaaga	3660
tctcaacca taccatctct agtcattgct tagaactact tcacgttgat gttcatggac	3720
caatatccgt tcttagtata tttcaagaac gttattttct tgtgatcctt gatgactact	3780
caaaatactt gacagttcaa ccactatgca acaaactctga tgctactgcc gaaattatcg	3840
aattcatcaa tcattgggaa aagttctttc tgggaaatgg caattaccat acgaaaattc	3900
tccggtcggg taatggaggg gaattcttaa acaaaacatt gactacctat cttgattcaa	3960
aatatattac tcaccaaacc tccaatgcct atgaacatca tgagaatggc gctgcagaac	4020
gagctattag atcgggttaa gacatggctc gagtaatat gcttcaatcc aaattaccag	4080
tgccgttttg gtccctagca acccgatgtg ctgcgtttgt tatgaatcgt cttcctcata	4140
aaacaataaa tggtgaagatt ccttatgaag tatggactaa acaacttgct aatctcaaaa	4200
tgatgaaacc gtttggctct caagtatatg tgaaaattcc tattggagtc aaaagttttt	4260
ctgcacaagc actttctgga atcatgggtg gatatgccac taataagaaa ggctaccttg	4320
tatatgatcc cacacaaaat cgaatattca catcctcaca aataatatgt catccgagca	4380
tttatccagc agccaacctt acgtttaacg aaccttaat tatctcatcg aaagtcacgg	4440
ctgctcatct tcacccctt accatttcca atttagttat tccacctacc aatgctgtat	4500

ctgagacacc tctgcaaatt gtgtgctctc ctcaaattcg tcagtatgtc ccaaagtttg	4560
ccaattacaa actgtcttgg aacatgggga ggataaaata tatgcactga ttataccaat	4620
atcgatcggc aatatgaaac gcacaagaac aaatgaaaac aaaatatgcc agctagatga	4680
atcgaacaat accaccatac cagatagtgt aattttatcg gctaacaatg tgttattaaa	4740
cttagaatcg agatcttcca ttcccaaaag ttataaggaa gctataacat ctaatgaaaa	4800
atccaaatgg gctgatgcta tggatagcga gtttaattca ttacaatcca acaacacgtg	4860
gtcacttgaa ccactaccgg agggacgcaa agctattgggt gtcaaattggg ttataacaat	4920
caaggacacc ggctgctaca aggcctgcct tgtggcactt gggtatcgac aacaggctgg	4980
tgtggacttt ctgaaacgt atgctcccgt gattcgtgga gaatcaatca aactaatctt	5040
tgcactcgcg tcaaaatcca aactaaagat tcattccata gatgttacca cagctttcct	5100
caacggggaa atactggaac tcataattgt gacacaaccc tccgggatat gaagataaga	5160
agcgtcctaa tcatgtttgt aagctcaatc gcagcttata tgggcttaag cagctgccac	5220
taatgtggaa cattaaatta aatgatgtac ttataaagga aggttccgtc gacttggtgg	5280
tgacttaggg atatacatta gtaaggacaa aagaacaata atggg	5325

<210> 122
 <211> 2027
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 122	
tttgtttgat aaagaaaata aaaaaagaa acaagggtag taaatgagta cagtagccct	60
gttgaacaaa gtctgcgata acttaattat ggggtgaactc aaggggacag tgtctttgtc	120
tatcatccga tccttaatca agtctattac tgaatatcaa ttatttggac acctgtttat	180
aaattactat ccaatctatg ttctttcaat tctttccttc aatattttgc cagccaataa	240
gaccaaacat aatccaaata tacataccag tgaattctaa attgtttggt gaaacatcca	300
tttttgatct atttcaaatt gtattttctt ttagtagtag tagtagtagc agtaattgat	360
taattattat caatatccga aatgatgata agaataataa ttatatatat aagaaagaga	420
aaaagagaaa agaagaagaa gaagtataaa agaagttgtt atgggtttta ttaaaaaaga	480
aaaaattcaa tgaaatttgt gttgtgttgt gttgggtttg aatttctgta taactcaatt	540
tggagatttt tttttttttt ttttttgaa atttttatta gtcgtgtaca ttgttacaat	600

tgtttctcgt tccccctttt ttttccctt ctttgtttg ttttgtttac cttgtgataa	660
ttttatacgt gttgagaggg ctctcgtcgt gcccggtgcc gtttccgtgt cctggtgggt	720
ccccccgcc catgccgcac cgcaccgtac ggtaatgata tctgattgtt ggagcgttct	780
tcgctaacag gttcttttatt tttgttcggg ggtttcgaaa gataatgtag aaacaccagg	840
gcttataact gagagttaga gtagtggaga ttagtagtag tagtacaatc ctatagccca	900
aacattattg gagagatctt accaaatagc aatcatcatg atgtatttac tactacataa	960
agaatttaag acgatattta ccagcaataa acaacatgac caactaatta acaaacattt	1020
gaaaaacata aagtaattag aaagttaaaa aagtgtacaa ccagtgtgga aaaagaatgg	1080
aattggaatt gaacaaagtt attaattact gaaaaaggaa atttaatttc ttgaaaggca	1140
aatctttgtt tgtttttttt tttgggtctt ttctttcatt taataagcgt ggggtattaa	1200
tagataatga tattgttggt gttattgtga tattgtgtg aaatttgaca tatgataaga	1260
taagtttctt tcttttctt caactagtat aattgaacta aagaccacca ccaccaccac	1320
cacatagtta gcaacctgat atgctgttca tgtaacagta aattatcttg gtactatacc	1380
acttgttgta atatagctaa tgctaattct tgattagtgt ggaaagccta ataaggttat	1440
attgtgcaca ggttaactac cttaatatag ttattgttaa tacagttatt gctgttgact	1500
actattgtta ttgttaaatt aaagtgttag gttgagttaa ttgattagtg aaaaccaact	1560
aactaccgta ttaaattatt gtattaagat tgattcctat taaggataaa acagagagtg	1620
tgtagaaaag agaaaggggtg gattataaat atgtgtaaaa tcccccttag agactaacca	1680
ctagaaatct attgatgggt tcatatatag agattaacga ttatatttat aatataagtt	1740
ggtagttgct agtatatttg aaagcactac agtatagtat gtcagaatca gatcatttaa	1800
actctactaa taatacagga aacactttca ttagtctaga tcaagccagt acaataatgg	1860
cagatcaaac tcaaggagct aaccacaaac aatgataatt catctttttt gtcaagacga	1920
taggttaatg ttacaagcac tttattgggc tcgaaatagt ggtaaataag tccatagata	1980
tgacctgtta caagttattt cgatgatcaa gccggctctg tgattac	2027

<210> 123

<211> 2118

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 123

tttttttaaa gaattaatta aatatgatgg atgatagaaa ttaaaggaaa aagaagaaga	60
acaaaacaaa agtttaattg aaaaaaaagg gagaaatgaa tattgaatta ttcagctttt	120
atattgctga tagatggtga aaaaaaaaaac ggaagaatgg ggatagcaaa actgtgggtg	180
agattaactc atctatggcg ctaaaagtct ttttttttc tcttttatta gggggcacat	240
aaattattct tttcattgat aatctcgagt ccgttttttag ttcattattc ggaatatatt	300
accgtattgg gaacgataat tattattagt tctcccgat ggttcgattt tgctgggtgca	360
aaaatataaa tccgatatta ctttattggt gttttaataa atccgtttta aaagtccgta	420
gacatatata ggatgataat aatttaaccg atttataagt tggaatcatt tggatgaatc	480
cgttggggga gacgttttcc aattttagaa gttaactat caattttatg tgacatccga	540
gtgtacacat tttgtgaatt tgatcttatc aactcacttg gtgtaccatg gcatttataa	600
caacactttt tagaatcggc tgagttacat gcatttcctc tatttgtaga ttaatggaaa	660
ttcataaaat cgttcacatt tttttctata atgagtagca ttctgtttcc ataagtaggg	720
gactaaaaaa taattgatat ctctaatacag tgacagctct agtcaacttg accgtaatgt	780
tttgacgacc attatatttc ttgtttgaac tattgattta tgagtgttgt cgtaacaaaa	840
gatcaattcc cgtcaaaacg catttggcac ttaatctttg attgaaccga ttttgatctc	900
aaaacatagt accaaggcca attatgttcg ctaatgaaag aaagctgtga cgaaaacctc	960
aaattcatga agaaagaatt actgttgtgg aaaataaaaa agtctttctt ctgatacttt	1020
acaagtcctt caaccacaaa tacaaaaatg aaagttaccc atcgatcttt ttcattgggt	1080
aagaattaat acgagaatat caaattatct tagagagggg ctcacagagc aactttctga	1140
ggcacacggg caccaacatg atttggtata aaaaattcaa ccaaattttg gaaaaaatga	1200
aaacaaaaca aaacaaaatc tgaaacatcc cgaaagtcac aaatgcttga ttacttaaaa	1260
ttacttattt gcttcaagac gctattatta ttattatgac ataatactac ttgaataaca	1320
gtgaactgta attgtattaa gaacaaatca taacaaagga agatgatgac gatgatgatg	1380
acccttgaa atatccaggg cacatgcatt gtgatgattg ttgtaataata gctaagtcta	1440
attcttgatt agtgtggaaa gcctaataag gttatattgt gcacagggtta actaccttaa	1500
tatagttatt gttaatacag ttattgctgt tgactactat tgttattggt aaattaaagt	1560
gttaggttga gttaattgat tagtgaaaac caactaacta ccgtattaaa ttattgtatt	1620
aagattgatt cctattaagg ataaaacaga gagtgtgtta gaaagagaaa ggggtgatta	1680

taaatatgtg taaaaatccc ctttagagac taatcactag aaatctattg atggtttcat	1740
atatagagat taacgattat atttataata taagttggta gttgctagta tatttgaaag	1800
cactacagta tagtatgtca gaatcagatc atttaaactc tactaataat acaggaaaca	1860
ctttcattag tctagatcaa gccagtacaa taatggcaga tcaaactcaa ggagctaacc	1920
cacaacaatt accatattat atgaagaaga ctataacaaa actgtagata gtaggggatt	1980
ggttatttcc ggggagtaga agtattgggt tatctaagtc aatctttaac aaccaacaat	2040
caacaacaac caacaacggt tttcctattc tcggagataa cttgattaac ttaaaaattt	2100
tcttgtcaaa aaatttct	2118

<210> 124
 <211> 4929
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 124	
taattcgcgt atgaatgaga ttgatgccac tgttggtgct gaagttttaa aaagaaaaca	60
aatggaagat atgcaaaaca ataatagtaa taatggaggg aaaagattta aatcagatcc	120
agtttctgat caagaaatat tagatgcttg ggaaaaataat caattggata ggttttcagt	180
ggatcaattg aaggcattta gaagaaaata tctgatgtc aaatcagcta ataagaaagc	240
tgacttgatt gaaaatatca gtgagtttat aaggactcat agaaaatgag ttaatatgta	300
atagtatat gtttatagct ctgtaaatac atgtaaattt tttggttgcc aatgaattga	360
ttgagactga aaatcgtttg tggtttgcca atgaacatta aacttattac ttgatctaga	420
aggcagttac ttgtttaaag aagtgatgag tcgtgattaa gtaaagtttg cagcactaaa	480
tattgtatgg tatttgactt aattttttct gcaaaaaaaaa ttacaaattt ttaatgaaaa	540
aacaaaacac aagataataa cattatagaa taaagattat aggatcctac caacatagtt	600
ccattgctga tcaggacggt taataaaaga gcttcccaac agagacatat cttaataata	660
acaggctatt ttctgccttt aaaaagccat ctaggctcaa aaacctcaaa ataattcatc	720
tcccaccttg gcagcagagt agccataaca cagccaaatc aatttctata gtttacataa	780
tatataaaag gtttctaata gccagtaagc ttatagaaat tacccttttc aagtgatttg	840
atgaacaaat tatattcttg tacaaaatag tatatttaaa attaagaatt tggcttgcaa	900

aagaaactct cggtagctta gttggttaaag cattagactg taactgagtt attgtttgca	960
aacaaacaat tggaatgcga tctaaggatc ggggtgttcga ctcaactccc ggagattttc	1020
ttttttacca ccaccatagt taacacgcta ccatatgaga cagaaatcta gcatgaatgg	1080
cttatataca agtggaccat ttagaagcat gagctgtgtc ctagtttttt atcatttaca	1140
attgaatttc cctctgaaat taaaattcta aggtattcat ttatctcaac tttcttagat	1200
gctgttagtg gggttaaact tggtaatgaa ccactgacgg aagttatttt tgtgagaatt	1260
aactataaat atatcagctt ggtttttttt aacaacttag acagcaataa ccaacaccca	1320
actaattaat caacattggt ataaagttgt tttcatctgt caaaccaggc acatggtagc	1380
acatcaaaat cactctcgat agcttagttg gtaaagcatt agactgtaac tgttcattct	1440
ggatattgat atctaaggat cgggtgttcg actcaccctc gggagaaata tttttttttt	1500
gcttataatt ctttcaaata ttacctcca gtatcggtat tgaattaaat acagagagca	1560
attggaaagg ttattttttt tgttatttat tccaaaaatt tcaggactca aagttaata	1620
agccaaagcc tattttgtac tgcgcttccc tttaaagccc ctgctagccc ctgggcttgt	1680
tgttgttggt gtgtatggaa caagtttatt aaatcccatg acgacgatga tgtaattgat	1740
tttgagaaaa aaaaggatga acaatggaaa aaggtacaat gggttatata ctttgccatg	1800
tggttgaaaa tatgtttaac ggctgtagaa ctttttttta ttttgtgtta gtgagtgaat	1860
ttcgctacaa ttgttattat actccacaat tcagatttgt tgataacggt taattactta	1920
aatttttagta tgcattatga tatatttttt ctatgagatt gacgattaat tatcggtttg	1980
taaaattcta ttgaaacaca ttcaccagtg caacaattag acattttctc aaaaccatga	2040
atagcttgca actaaaacaa acaataaggc tgtacacttt gctggcaata aatcagtgtc	2100
aagtcaatat aaacagtctt aagaacaatg agaaactcaa aagttagggt agttagtga	2160
ttacaaaaga aagagaccac ttagagacaa aataacaaga aatgacatca ccattgtaat	2220
agatacattt tccagttatt caagcaattg attgaatgta ttcatagcaa aatacattta	2280
agacatacaa gcttaaacad gggttattct ctagtgggtg tgttgttgcg attctaagac	2340
tccaatctat gattaataat cggatcacca ttgacacatg aactacatta agtactaaaa	2400
aatatgcaat tcgcctgttt tcttattgat taaatttaac aataaacttg tcttttagctt	2460
tggcaaaagc ctcttgaaa atcctaacta agcacgttgg aagagcaatg gaattgtggt	2520
tagttataga aagcaaaaca atctgaaatt gtaaagtatt agatgatgtg caatgatatc	2580
agaataaaat agttgctgtt gaaaattttg ttcaagactc ttcacacagc atagcaaata	2640

gttatacata aagagaaaag ttcaacgtgc tttgttgccc gtgtctatatt gtttttttaa	2700
agccgaattc accactagag ggagtatata tgattcagag tatcaccatc atcatcatcg	2760
agcccccgta aaaacttacc aactttcgtc gacatttccg atgagaaact tgattttttt	2820
ttccttccgt tgaaataatg tcagatagct cgcaaatac ggaacgagca aattcttgg	2880
ccagcaccaa taattcggaa aatcacactc agttaatatt tacttacaaa ataaatttat	2940
ttgtaattta atggctataa aatgggaacg tagtaagaaa atcaacagct gttgtaatat	3000
agctaattgct aattcttgat tagtgtggaa agcctaataa ggttatattg tgcacagggt	3060
aactacctta atatagttat tgttaataca gttattgctg ttgactacta ttgttattgt	3120
taaattaaag tgttagggtg agttaattga ttagtgaaaa ccaactaact accgtattaa	3180
attagtgtat taagattgat tcctattaag gataaaacag agagtgtgtt agaaagagaa	3240
aggggtggatt ataaatatgt gtaaaatccc ctttagagac taatcactag aaatctattg	3300
atgggtttcat atatagagat taacgattat atttataata taagttggta gttgctagta	3360
tatttgaaag cactacagta tagtatgtca gaatcagatc atttaaactc tactaataat	3420
acaggaaaca ctttcattag tctagatcaa gccagtacaa taatggcaga tcaaactcaa	3480
ggagctaacc cacaacaaca gcctagtctt cttgacacta aaaaaaaga gataaaaaac	3540
aatttcagcc aatcacatgt actacatttg taatagattt tattacttca gctgcttatt	3600
acacaaaca gggtgaattg atattgtgta gagtaaattt tcggaaatag tttgaattgg	3660
gtgatcattt tctttatttt ttttatgtct tgtttctgtg aagatcggaa tgccagagt	3720
gagctcgtga attgcaccac taattgcagc agcaccatat ttcaaataaa gtttctcatg	3780
ttgtagtaag gattgcttgt ctccatgaaa ccaatcactt aactaagccc caggctaatt	3840
agtgtgtctt caaacagttt tgtactagag aaactcagac cttcccaggg caagtaacaa	3900
cctaaaaaaaa tgccacaaaa ctaaatgcaa tttcagtttg atatgatagg caatgacatc	3960
aacacctgga aaaaaaaaaa actttcaggt gatgaaacga ttaaggatta aagtttgcaa	4020
cgaaaaacaa gtggaactaa actttgcctt attgttttgt tccgcttacc taatgatgtt	4080
tactccttag aacaaacaac atcaactact tttaatcctg acgacgaaga agaagaccaa	4140
aaagaataat tagccgcagc tacgggtgtg gcactagtag tagtgctagt gcttggtgtg	4200
tctcatccaa gagaaatgga aaaactgcaa aatgccgca actttgaaca ttttggaaca	4260
caatacaact ttttttttcc ttttggttt acgattagcg cgatagacgt gaccataaaa	4320

ataccacacg atgtgtagat cctctaaaaa taatgtacac atttccaggc ttttgtttac	4380
tgcttaataa tttgtcatca tcggtaacaa tgatagtctc cccaccctaa ctacagtaga	4440
cggaattaga caccaaagat cttataaatc aaccccaaat tttcccattt tgatttttga	4500
ttttttcgta ttccttggtg tttccataat ttttttagtta ctctctctca actaaactag	4560
ataactcgtc acagttaaca acagaaaggt atgttaaata tttatttcgt tctaaattca	4620
agtttggtat agaattattgc aaacaacaac aatctgaaaa atggacttta atttgctcta	4680
caaatgcaa acacatctag aattaatatt tgggtctggaa accgtatacg gaagttatgg	4740
ataatcacgt tatcctgata tctattatta acaccaccac aatatctatt atttcatgta	4800
tggattgcgg tgccaagatc aaagaatcat ttttaaccga tatcttacat ttcacctga	4860
tctaaatgtg attcagtatc accggctcat tgtttcacca ctcaacctcc ccatactggg	4920
agtacatat	4929

<210> 125
 <211> 4954
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 125	
tgttataaaa aattcaacca aattttggaa aaaatgagaa caaaacaaaa caaatctga	60
aacatcccga aagtcacaaa tgcttgatta cttaaaatta cttatttgct tcaagacgct	120
attattatta ttatgacata atactacttg aataacagtg aactgtaatt gtattaagaa	180
caaatcataa caaaggaaga tgatgacgat gatgatgacc ccttgaaata tccagggcac	240
atgcattgtg atgattgttg taatatagct aatgctaatt cttgattagt gtggaaagcc	300
taataagggt atattgtgca cagggttaact accttaatat agttattggt aatacagtta	360
ttgctgttga ctactattgt tattgttaaa ttaaagtgtt aggttgagtt aattgattag	420
tgaaaaccaa ctaactaccg tattaaatta ttgtattaag attgattcct attaaggata	480
aaacagagag tgtgttagaa agagaaaggg tggattataa atatgtgtaa aatccccctt	540
agagactaac cactagaaat ctattgatgg tttcatatat agagattaac gattatat	600
ataatataag ttggtagttg ctagtatatt tgaaagcact acagtatagt atgtcagaat	660
cagatcattt aaactctact aataatacag gaaacacttt cattagtcta gatcaagcca	720
gtacaataat ggcagatcaa actcaaggag ctaaccacaca acaatgataa ttcattcttt	780

ttgtcaagac gatagttaat gttacaagca ctttattggg ctcgaaatag tggtaaatag	840
gtccatagat atgacctgtt acaagtttat ttcgatgac aagccgcctc tgtgattacg	900
gcaattatatt tactattgat aatgagtaaa agttcacaa caatagaaga tatccaccca	960
agcaattttct ctgcacgaac atcttttagaa tagttgggtat aataacctta cgaaacatta	1020
ataaagaaat tgtacccgat cttgttttcg agtcaaaaac aaagaaatca aacctagaat	1080
caacaatgtt ctagccatca tctcccgcca cccaagtgat gtacccttat ttcttgattc	1140
tattattttc tgaccctgtg agggaaacaaa gatactatct ttaataaaga aaaaaacct	1200
caacaacaac aacaacacac taacacacta agaaactaaa acttgacgac aatatgatat	1260
tgtgatatat taatactgcc caacattcat cgtcgtcaaa tcagaattca gagcaaaaaa	1320
gagacgttta cgttacattc cccgatgttt ttgtgacgta acaagccgaa gagagggaaa	1380
aaaaaagtat ggttattgaa aatctagtta ggatctactt tcctttttgt ctcactatt	1440
tatcaaacac tatcaacgag ttttgaattg acgaccagat ctatatcatc tagtttataa	1500
tattctttgt cagatctgaa ttgatcaatg tgtggttgtt gttttagtatt ttttgttga	1560
tttaaaactac tcacaaacat caagcttttg agtaagaatt gaatcaaatt caatattgtc	1620
ttgtcacttt ttttctgcgt ggtacactac tacgaaacaa aatttaaatt gtcgtgttct	1680
ttttgataat ttgtttgtta taattttttt gcttgtgtga aaaaaaaga gaaatgataa	1740
ttcgtttttt ttataggggt ttttctaatt caactcttat aataaattaa cttatcaaca	1800
ccgtaaatat aattaaacca actgtgttgc gccataaata aataagttgt ttcgggatca	1860
acacatctcc aacaaattga atcgtagggtg aaaatttttt ttttactagt aattggtagt	1920
aatgggtgttc acgagtattt ttttttgggg agtatttgtg tcccttacia gaaataaagc	1980
cagggccatg aaaaaaaaa taatacaaaa caaaatattc gtatcagcac agcagcactt	2040
ccccccctt ccccttcggc acgccctaaa agaattttac tcatgtagtc gttatcactt	2100
caacaccaca caagaatacc tcgagtgaag gaaaattgct tggggaatgt gtgtaattgg	2160
ctatgtagaa ttgggtatta ataacatttc tactgttttt cttgtgccat aacatacttt	2220
tatcgcgata tattgcaaag ccccccttc tagctcctaa taaaaaaaac ccacattact	2280
attatattta aagtgtgaat tggaggggac aaaaacagaa caatgagcaa ttataatag	2340
tgaataacct ttagcaaaaa aaaaacattg taaattcaat atttgacgat ggatttaaca	2400
aacaatcaat caaattctta gtgttgaact gaactgaagt gatatttttt gccatatgca	2460

caaaatctta aatattcaag tctacacgag aaaacccaaa aaaaatgtta ttgtttcaaa	2520
aattaatgct tatgtaacac aacgccaaat ttaaaccatt ttttttgtgg ttactaaaaa	2580
aaaaaaca aa caaaacaaat aaaaaaaaaag gattacaaat ttcaggcaca ttgtttaaat	2640
ttactgacgc caattattgt ttgattcaag tataagttga gaatgatttt cccaatttat	2700
taaaactaca tacaaaagaa tattaacctt tctattttct ttattttttc aattttaaag	2760
atataaaatc gtttcacctt ttcttttaaa ttataatttt caagacttac cttatttgcg	2820
ttttctaate gcgtccactc ctttattact actattagct taagtctttc gttcaaaaaa	2880
caactacaat gcgtgccaac tatttgttat tattagctgc cacagctgtt caagctgctc	2940
cattcattaa gagatatgaa aacactactg ctccagccag tcaattgtcc acttcattgg	3000
ctgatgggtc cactaccatt cttgggtctt catcatccag tgttgaagaa gatgaaacca	3060
tcacttccac tatcgttcaa tatgttactg tcacttcttc tgacaccact tacgtttctg	3120
ccaccaacac tttgactact actttaacta ctaaaccaac ccagttatc accactgaag	3180
ctgaagatga cgaagaagac aatgaaacca ttacttccac catcctccaa tacgttactg	3240
ttacttcttc tgacaccact tacgtttctg ctactaacac tttgactact actttaacta	3300
ccaaagcagc cgaagctact gaatccgaag aagaagaaaa cgaaactatc acttccacca	3360
ttcttcaata cgtcacgctc acttcttctg acaccaccta cgtttctgcc accaacacta	3420
taaccagtgt tttgactacc aaagcagcag tatctaccaaa cgacgtcagt gaaaatgcc	3480
aggctgctac tactgaagat gatgggtgaaa ccaactcttc aaccattact agtatcgta	3540
ctattactga tgccaatggt aacaccgaag tgttgaccga agttgcagct gagaccagt	3600
gtgcagaaga tgcttctac tgtgttcctt ctactgtcac tgttactgtc actgctgaac	3660
aaacttccga agttgtttca actattgttc acactacca agttccactt actgctgaat	3720
ttacccttga tgataccact actaccctta catcttgggt cgacttgact tctacagatc	3780
tcgttactat aacttctact tcaagtgtct atgattcata ctcaactggc gtttctcaat	3840
cccatccaat tctcactact ccaactacac aatttcggac tatgccccac caatcagttc	3900
ttactactct ttgtaaagag cttgatatga aagtttgtga tagtgatact actaccgccg	3960
ccaccaccac acctttagag taaagatttg tttttaaaaa aatcattctc atcatttttt	4020
ttttattggt tttccatttt atgtcgtttt tgacgttact catttgtttt tattgtattt	4080
tgataactgg gtttatttga atttttgctt ttttttattt ttatttttaa cattgttatt	4140
cctttttcct ttgattattc ctttagtggt tgggtgttatt ttgatttttg cttacatttt	4200

tgcttacatt gttatatttg ttattccttt gttagagttt ttttttattt ttgccctttt	4260
cccttttgga tttttttatc attgtctgtc ttattcaatg gttttctagt ctaaaaattt	4320
tggtctagtt gctatttcat atctctgttc attatctcta tccttttctt agaaacatca	4380
ttctctctct ttctctctaa cattcctctc tctcatattc tctacaattg tctagataga	4440
ttttttatag tccttattgt tttttatttc tctaactata tgtatcattt tttattcttt	4500
tacatatatc tttactcttc tttctctttt tatttttttt ggatataata aataaatata	4560
catttgccgt gttatattca aagatggatt gatattggaa ttggaattga aattggtgtt	4620
gcaaaaaaaaa tagcaaccaa aaaaaatgac aacatcaaca acaaccacga ataggagaaa	4680
aaataaaaaa agaaagggaa agaaagaaag gaaaacaata gaggtgggtt gattacataa	4740
gcaaccaaaa tttctcgcgt ctttcgctct gtttgttttt ctgcctttga aagggatgac	4800
agcagcagaa aagcaagaag aaaaaaaca acacctacaa ttcttcattt gttttgagtt	4860
ggccctacat tcaaagatcc aatttagcag tcatcaagaa taatttaca tcgatcgacc	4920
tcagtcatca ccaaatagtc aaaccaatta ttaa	4954

<210> 126
 <211> 1047
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 126	
taataattga ttgggttttt gggaaatcac caattgtcta caaatctatc catatataac	60
ttaacactaa ggtaacctt gatcaagaag aaggagtggt ggggggggggt gcatttatcc	120
tttatcttgg ctattgtggc gatgcataat tcgtaataata acgtaattaa tgagcaatta	180
aataaataaa ttgatctgat acaacaaaat aaaaagaaga aatttaatta atactgtggc	240
acgtgacagt tgattctaga tcaattcata gtccgcgtcc ccgaaccgaa caaaaacagg	300
gcaaaatgat tactgttgta atatagctaa tgctaattct tgattagtgt ggaaagccta	360
ataaggttat attgtgcaca ggtaactac cttaatatag ttattgttaa tacagttatt	420
gctgttgact actattgtta ttgttaaatt aaagtgttag gttgagttaa ttgattagtg	480
aaaaccaact aactaccgta ttaaattatt gtattaagat tgattcctat taaggataaa	540
acagagagtg tgttagaaag agaaaggggtg gattataaat atgtgtaaaa atccccctta	600

gagactaatc actagaaatc tattgatggg ttcatatata gagattaacg attatattta	660
taatataagt tggtagttgc tagtatattt gaaagcacta cagtatagta tgtcagaatc	720
agatcattta aactctacta ataatacagg aaacactttc attagtctag atcaagccag	780
tacaataatg gcagatcaaa ctcaaggagc taaccacaaa caccactcag atttagcccc	840
tctaaaatgc atatggcaca atgatctcac ctcggttggg taaacctttt tcttcttatt	900
aatcttatct tagttgtagg ttggtctccc cccctaact agttttacaa ttcaattatt	960
aaaccaattg tcaattcttg gtattttgta aacaagactc attaataatc aatcgtcaat	1020
gcatatgatc aaaacaaata gaaactt	1047

<210> 127
 <211> 7929
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 127	
aagagattgt agtgaagaat tcagctcatt attactgttt tgtcgttgct ggaaggagga	60
gggataattc aatgcgccac aacagtgtta ctatgcatgt gggtctgact gactgatatt	120
gtttaaaaat taaccagctc tcaaataaca aaagttaaaa ttttcaaggt ttgtaaacat	180
ggcagctagt agtaggatgg ttcataatat taattaatta ttagtaataa tggctaagtt	240
tttgaagcat tgttttaaat tttcaaattg aaattcaatt tcattacaaa tggattacta	300
acggaattcc taagctcaac tgaataccgt gattgaaaca tttgaatttg tatcttttag	360
attagctatt tttacttttt ttgtcattgt agttggttat gataattaca agaaactaaa	420
gtttaatatt ttcatattca ttttcttttt tggccaactt gcaaataaca cacaaccca	480
aaattaaata attagattta atgcatgcat aattacacag aatgttttagc cttacaagt	540
attctagaaa caagaaagaa aaaatgtcgt cttggcggtt atcttaattg tattctgtaa	600
actgggttaa ttcttatttc caacttttca tttttttgga tcttgtatgg attaaaaatt	660
aatatggta tgttttaggg ttgtattaac aatacttaca attatcaatc atacagcttt	720
actattttta ttatcagca aataggggaa ttcaagttgc atgtgttatt cagtggcagt	780
gaatcataaa acagccaact tgcagcttat ttactccag gagcaatcat cacggaattc	840
cgtttcccat ctcatcttca tactctgtgg attatgtata gaggctattt acaatatcac	900
caagcagtaa aacattctct cctcaaaata acaataagat tagtcaagat gaacgacttg	960

aatctattca tatgcattac acatttagtt tctattacaa atagtgatgc aatggtgcaa	1020
gattacgtct tgtctgcact aactatttgt aacgatgatt atgtgatcaa gaattggaat	1080
tcttattata ttcagtcgtg agtghtaagct atttcgttag gggtatctta actcgaagtt	1140
aaagttccaa aactattcca tttggagttt ctgttggtga gaaatacaaa atactcttct	1200
tggtggggag gaaatccatt aatgattata aaatgaaact cttggttaacc taattgaaac	1260
accacattca gtacattttc aaccgtcact attattattg tggcaaattg attaaacaat	1320
agacctaaact taatctaag gaaattttta atccatgaaa ggggtgaaaa tttgaaatca	1380
aaataactat ctgaactgaa ataccccatg gatctgatat cttatacaat ctatcaacta	1440
aacagggag agtacctgga attccaaatg acaattccta ttataattat ttaaacagac	1500
tatgccgtat tgtttgtgac attcattggt tccacaact ctaatgtcaa atttttgtta	1560
ttgtcatgta atcccggtgt ttcttttttc ttttcggtgt tgcgttccat gatattttgt	1620
tatctcttgt ttagattgag ataaagaatt ggtagcagt gtagccattt atgagtgggt	1680
tgtaaaaaca agaattacaa gggttgaatg aattccaggc aggcagtatt ataaaacctc	1740
gaaataacta atcaaaccat cagaaaagaa agcttactat gatgtactgc ttaatctcat	1800
atctatctta caaacttaat tcaactgattg tggcttgctc gtgaataatt cggaaacctt	1860
gtctttttcg gtccagtagg ggggtgccata gtcttgggtg gtgacaaaaa aaaaaaaaaat	1920
tatagttggg gtggtggggg gtacgtctga gtaagtcagg ggaatgaact caagacaaaa	1980
atagaagttc taaacatggt acgttctgct aagtaatatc atcgatctat ctattttgct	2040
ctaaattttc ataagcaaat ccagaacttc ctgcgcagtt tcaatttcaa gcatacgaag	2100
ggatagtgat taaattatat tttgaacctt ctattactga ttaagtgttc ctattagtct	2160
acggattaga cggttagaat gggattttca aaagcacaaa ggtcaagact tataggaaat	2220
tcatagaaaa aacactctga agtactcgat ggttgatata ataatagttt tgctaattta	2280
aactcttgct gttcggctaa gctattgtac ccaaagtcgg tactccgata gtcttataaa	2340
taataacttg caaaagttca ataaatatat gtcaatggta ttgctttcca attaccattg	2400
acgaggttgt aaattaattc atacttaggt gacatcgatt aatttaacaa atatgtctgt	2460
ttcaacgctt acatcatcag tcttgcagga aaaatgttat tgccacgaca cctcaaatta	2520
gccaacccc ttcgtctacc aaaacaatgt caaaaacca cttaaagaa gtcggacaaa	2580
cctgaaccgg gtattttata aagtagtttt gtgaataata tcagtacatc gattacattt	2640

tccgtctcaa gactggaagt tgcaaagcca tgacaattgc tcaaccaa	gtgaattttt	2700
aggttccata gtcttgatcg ggtaatgtaa acactttaac ttttagtaaa	tgataccacc	2760
aagaagaaag cactatttta agctttat	ttt aacactatac attggaaaat aaaaaagtgg	2820
ctatgagaat taaacaagat gaccgagtaa ttaaaatagt gctgtcgg	tgt ttaagcaata	2880
ccgctagggg tcaatcaatt aagtgtgtct tttttttgtc gttgtatttc	cattcctcca	2940
ctcctttctt tactcttgca atctaacata ttttttttaa aaagaaaaca	tattgatact	3000
tacatgtggg aactattgtc tgattcatca attccgctct tcaatctcgg	tgttcggata	3060
atttcgatga aattataatt acctgccgca attctagaaa ttcctttttt	ttcttttctt	3120
tttctcggag ttggttccaa tacaagatt gaattgaatt aggtgagaag	aagaagagtc	3180
ttaacaccag atgtattaca gctttaaact ttgtttctaa tttgaccaca	aaaagttgtc	3240
tggacgcctc agtttgaaat tagttttggg agatttctgt tttctcattg	gccttactct	3300
atggaagttt ttatacaaga gcttccttct aaaattaact ctttgtgttg	taatatagct	3360
aatgctaatt cttgattagt gtggaaagcc taataagggt atattgtgca	caggttaact	3420
accttaatat agttattgtt aatacagtta ttgctgttga ctactattgt	tattgttaaa	3480
ttaaagtgtt aggttgagtt aattgaatag tgaaaaccaa ctaactaccg	tattaaatta	3540
ttgtattaag attgattcct attaaggata aaacagagag tgtgttagaa	agagaaaggg	3600
tggattataa atatgtgtaa aatccccctt agagactaac cactagaaat	ctattgatgg	3660
tttcatatat agagattaac gattatattt ataataaag ttggtagttg	ctagtatatt	3720
tgaaagcact acagtatagt atgtcagaat cagatcattt aaactctact	aataatacag	3780
gaaacacttt cattagtcta gatcaagcca gtacaataat ggcagatcaa	actcaaggag	3840
ctaaccaca acaacagcct agtcttcttg aactaaaaa aaaaagagat	aaaaaacaat	3900
ttcagccaat cacatgtact acatttgtaa tagattttat tacttcagct	gcttattaca	3960
caaacaaggt tgaattgata ttgtgtagag taaattttcg gaaatagttt	gaattgggtg	4020
atcattttct ttattttttt ttatgtcttg tttctgtgaa gatcggaatg	ccagggtgga	4080
gctcgtgaat tgcaccacta attgcagcag caccatattt caaataaagt	ttctcatggt	4140
gtaataggat tgcttgtctc catgaaacca atcacttaac taagccccag	gctgattagt	4200
gtgttttcaa acagttttgt actagagaaa ctcagacctt ctcagggcaa	gtaataacct	4260
aaaaaaatgc cacaaaacta aatgcaattt cagtttgata tgataggcaa	tgacatcaac	4320
acctggaaaa aaaaaaaact ttcaggtgat gaaacgatta aggattaaag	tttgcaacga	4380

aaaacaagtg gaactaaact ttgccttatt gttttgttcc gcttacctaa tgatgtttac	4440
tccttagaac aaacaacatc aactactttt aatcctgacg acgaagaaga agaccaaaaa	4500
gaataattag ccgcagctac ggtggtggca ctagtagtag tgctagtgtc tgttgtgtct	4560
catccaagag aaatggaaaa actgcaaaaa tgccgcaact ttgaacattt tggaacacaa	4620
tacaactttt tttttccttt tggattttacg attagcgcga tagacgtgac cataaaaaata	4680
ccacacgatg tgtagatcct ctaaaaaataa tgtacacatt tccaggcttt tgtttactgc	4740
ttaataattt gtcacatcgc gtaacaatga tagtctcccc accctaacta cagtagacgg	4800
aattagacac caaagatctt ataaatcaac cccaaatttt cccattttga tttttgattt	4860
tttcgtattc cttgttgttt ccataatttt ttagttactc ctctcaact aaactagata	4920
actcgtcaca gttaacaaca gaaaggatg ttaaattttt atttcgttct aaattcaagt	4980
ttggtataga atattgcaaa caacaacaat ttgaaaaatg gactttaatt tgttctacaa	5040
aatgcaaaca catctagaat taatatttgc tctggaaacc gtatacggaa gttatggata	5100
atcacgttat cctgatattc attattaaca ccaccacaat atctattatt tcttgatgg	5160
attgcggtgc caagatcaaa gaatcatttt aaccgatat cttacatttc aactcgatct	5220
aaatgtgatt cagtatcacc gcctcattgt ttcaccactc aacctcccca tactggcagt	5280
acatattttt tttttcattt tagagagttt taacataact tatcggcatt ttcaataatg	5340
tttatttgga aatttagtat ataccgataa atcctgaatt ctcgatttgg cgatggattt	5400
acaaaaaaaa tggggaatga gtgtacacca agaaaaaaaa gaaaaattca agaaaaagcg	5460
agtgactaaa aatgtcgtgg gaatttaatt tatcctggaa agatgccccg attcagaagt	5520
aatgtcgagt actttcacc acatacaatg aacgactttt atttattcct tcacccaca	5580
cagcaacaac tacatttaaa tttcagtatt taagcgacca tgaatttaaa ttacaatact	5640
ccacagatta aagcattttg tttataactt ttctattctt atcaattttt tttggtatag	5700
ttgtggtttg cgtcacggtt gttttctttt tttcattttc cttagtttac tccacatata	5760
catacacgta cttttctata tatacccat gattcccccc ccatttgatt tttgttgttg	5820
ttgttcagca atatctactt tatttattgg tttttatgtt tatatgatac taacttgtct	5880
ttgtttgctt tagtcatgaa ctccgatata ccacctccac caccacctcc agaataatcc	5940
cagtcccatg aagatttacc agcatacact tcgtcgttga actattatgg attatcattg	6000
attaaaacag aattcataac cccatatcaa tacaatagcg gtaaccgttc ctggaaacca	6060

gtattgcttg aattgaactc tactcaattg aaaatataca acttgaacat tgataagaaa	6120
ctacaagatt tgctaatatg tttatatattt gaattaaatt gtttagatca attaactaaa	6180
gacatcaatt ctcattataa aaagagtaaa ggttttgact ttagtgaatt atcgtctaatt	6240
gatgccgacg atgtcggcga tttgttttcc ggtgatgcat atggtggtac tgatagctcc	6300
aagttatctt taaatgattc caagtttggc aaattgaaaa acaaattgag aaatcaaaaa	6360
tctaataaaa ccttgcaatc aataaaagct cattacgatg aattaaaaga taacaaattt	6420
ttctttgaac caacatcctc aacaaaggaa tataaccaat tcgctaaaaa gtatagagga	6480
aatttgttgc actgttattc tttggcaaac ttgcagattg gggaaagcacc atctttgaac	6540
caaataattt cagcaatcta caaggaagag cataatggca acaccaacaa ttcactcctc	6600
gtcaaatata aaaacacatt gcgtcttcga attgaatata aacaaatctt acttcaattt	6660
tgggtctttct acggtatgat cagttggttt aggaatttca ccattggaag agatttgagt	6720
gtaccgctcg aagcaagaca tgtatcgaaa ctcaaacta taccctcaag aaacactagt	6780
caaaacaatg cattattggc cgctactgcc gcagctgcaa actatggaag aaacagagcc	6840
aatactccag tggacgggtg cgaagaagac atatccatgt ttcgctccaa ctatttgact	6900
attaaagatg aagataatac tcattctgac accagtagtg agaattcctc tgtgttcgac	6960
aatgagagaa gaggggccat agtttcaaca actacgtcaa tcgaaccagt cgactatggt	7020
actattaaca attacaagtt ttattcccaa gagtacacct ttaccactgt tgagaaacaa	7080
tacatttcca attgcatacc agatttgaac tcttttgata aatggaatgg caagttaatc	7140
accgtcagta acgtggatca ttttattaga gataagagat cttttgaaga caaagatgac	7200
gttttcatta gttatgctgc attggggaac ttggtacaat catatgataa aaaatcacat	7260
aacgactcat ccatgcttac caccocaaact tttatcattc atcaaaaagg gttagttggt	7320
ttaggaacac aagtttgatt cttaaaacat atatagattg atagatacca tttaatattt	7380
ctaaacatat ctttacgaat taataaatac gacttttaat gatataaggt attttggttg	7440
taattgtaga tttggcaaaa aaaaaaaaaa taaacaacca tcgtagtagt tgttgttaca	7500
gtggttcaag ttcaogccct aaattcttgt ggctgtctcg cctttaactt tctttcttcc	7560
tcccttaact taacatgtac gtgtacttaa tattattttg aaaaattttt tttttctgtc	7620
tgtttctctc tctcctttgt tcccaacacc agttggtact tttaattcta ttttattttt	7680
acgttgatct gatatttatt tatatattta tatatttcca tcaattctaa aacttaatta	7740
cttcaaagac caagttcttg aatcttcttt tgtttttgct tgtttgata ccaaaacact	7800

ctttttcaat tatttcctg ctgtttttct ttagaaaagc attgtccatt tgtctattag 7860

tctgtaactg gaaatttgtc ccgtccttaa attatttttt ttttgaagaa tcttttcatt 7920

tgaatcatt 7929

<210> 128

<211> 2292

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 128

gatattaagt cgtctaattgc tattttttat ttgaaaaaaaa aaaaacaaga, aaacaaatgt 60

ataaagggtgg aaggaaaata aaaattaaaa aaaaaaaaaa ctgcaatatt aaaatgaaag 120

tggacaatta attgattgat taataaattg gttttattag tattatgtaa gggatttcaa 180

agaagtcac taaaaattgt taatgtagat gtagatgtag atgtggttgt tgttctatgt 240

gtttacagaa attgatcac aaagtccaag attttacatt gcctcgccag ttctattttt 300

ataaatattg gctgtgtgtt ttgggtgtgc ttgggccggg cagaggggtgg gagagaggca 360

tgaatgcgga agaggaagga ggtcattcca ttccattcca tcgcctcatt cttctccac 420

gttcattcat ttaattacga cagcagcaga agaaaaaaaa aaagaattca gatgtagac 480

acgtgccaat attatgaaat attccatttt gggaaagtca gcttcaatgg cttacatgg 540

agcgcatact catagatttt aaaaaatctg aataatttgt tagttctcta tgaatgaata 600

aacagattac tgataagaac cagattaatt acttagaggt tttcttattt tttctttttt 660

gatagcaaaa gtattcatga attattcgta ttcgtaaaaa atttaagaag gagggagaac 720

aacaactgtt aacccaaatg gtgtttttgt taaaactcta tctactaaat tcaacatttg 780

tgaagataaa agtggttcaa attttttgta tgaaaaaaca acatagattt atatagcaac 840

atcactacag taatatatcg aatacaataa atatatatat ataataaatt aaaataaaaa 900

taaaaatata catctacaat atgaaaaaaaa tcatttaact atatagtatg tctaaattat 960

cgaatgaaag ttagtaatac aaactcccat gtttagtggg gagcttggt gagccttcaa 1020

ggcaattcat agtaggttg aggaggccct aatcagaggg tctgagttga acaaaagcgc 1080

ccaaagcttt gtttgattca ttggaatata ctctcggtta tgtcgaaagt attggagctg 1140

aaaatagaaa agaaaaaagt gaataattat gataattatt ggtgtgattt tgtcaccttt 1200

ttatacccaa ttttttttta tcaagagaga ttcttagatt tgccattttg agtgtttcaa	1260
atttcccatg tggattgaat tttcaaaatt ggttacatat atccttgaaa gtgttcataa	1320
tttttgtgtt gtaatatagc taatgctaata tcttgattag tgtggaaagc ctaataaggt	1380
tatattgtgc acaggttaac taccttaata tagttattgt taatacagtt attgctgttg	1440
actactattg ttattgttaa attaaagtgt taggttgagt taattgatta gtgaaaacca	1500
actaactacc gtattaaatt attgtattaa gattgattcc tattaaggat aaaacagaga	1560
gtgtgttaga aagagaaagg gtggattata aatatgtgta aaatccccct tagagactaa	1620
tcactagaaa tctattgatg gtttcatata tagagttaa cgattatatt tataatataa	1680
gttggtagtt gctagtatat ttgaaagcac tacagtatag tatgtcagaa tcagatcatt	1740
taaactctac taataataca ggaaacactt tcattagtct agatcaagcc agtacaataa	1800
tggcagatca aactcaagga gttaaccac aacattttgt agtcgtaaac ttgaaattca	1860
aagagaaggg ggggaattaa attgggtgca acgtgtttgt caaaaatttg gtgtgaaaaa	1920
aattaattta acactctgca ttgtaccata gggaatataa taccagaaa taagagaaat	1980
tatcacgtga gactaaaact aaatataata aattaatatc acaattgaga aagacactga	2040
aactaacttc ttggtgtatt aattttcaac acttgatcac aagtgcgggg attaatcata	2100
attgcaaaga gtgtgttaga aagagcgaag gtggattatg aatattggag aatcctcttt	2160
agagactatc cgctaacaaa atagatgaac ttgctcaaca gaaacaacta atcgactaac	2220
tgactaaaat taatatacta agtatagatt aagttatcac gttaatatcc tatactatcc	2280
atctccatca ct	2292

<210> 129
 <211> 2025
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 129	
tggggagcaa atgtgaaatt aaagagtgtg gtgatatgta attttttttc aaaaaagatt	60
ggattgacga agcattatat attcgtctaa aaaccatttt tgctgggtcc gcaataaatc	120
tcggagatta tttctcgatt accaatttat gttgttttgt gacatttctt atattttgtt	180
ctattttaca cgactattta ttgttaataa atatgtcacc taaagaatat ttctatttag	240
ttttacatat gttttttgac gacaatcaac tattacaaat taacctacat tttttaattt	300

gaatatatac aatttatatt gaattaacat taccatttag tttttgataa gaatagattg	360
cgctatttca aacatttggt aaattattta ttgtgaaaca actatgtaga ataaaagtat	420
gaacaaattc tacgttcac atgtggggtg tgccttcata tatactcttg gatgagaatg	480
ccaagaaaaa tgatggcgtg acaattcaat acggcaaaac aaactaatcc cctctaagat	540
tttactagtg tgtttcccta tcgtctgagg aaaaggtaac aaaacatcgt ttaaccaatt	600
ggtgtttggt acgatggtga cgttgagtag tgcataatgt tgcaacggca aattgcatcc	660
agcgagttaa cagcgaatgg caaagtgaag cctccgactt gtgttcattg actactggga	720
ttggactggg aataacgact taactaatta atgttctcgt ggactcgttt agctagaact	780
aacatttggt ataatatagc taatgctaata tcttgattag tgtggaaagc ctaataaggt	840
tatattgcgc acagggttaac taccttaata tagttattgt taatacagtt attgctgttg	900
actactattg ttattgttaa attaaagtgt taggttgagt taattgatta gtgaaaacca	960
actaactacc gtattaaatt attgtattaa gattgattcc tattaaggat aaaacagaga	1020
gtgtgttaga aagagaaagg gtggattata aatatgtgta aaatcccctt tagagactaa	1080
ccactagaaa tctattgatg gtttcatata tagagattaa cgattatatt tataatataa	1140
gttggttagt gctagtatat ttgaaagcac tacagtatag tatgtcagaa tcagattatt	1200
taaactctac taataataga ggaaacactt tcattagtct agatcaagcc agtacaataa	1260
tggcagatca aactcaagga gctaaccac aacagcattg attatataat catctatgta	1320
gccaatatac actaccgtcc aaactccac tacacacttg taacagtgtt ttacaaatct	1380
atgaacgaat aaccgattca aatgacacaa taaagaacat ttcaccgatt tgaattgcta	1440
atcggtacta taatattgat ggaagggtta gagtttaatg ctaccctagg tttaccggag	1500
atcaacagtt gcatatacaa aacgtgttat ctgtctacga atggctttct atgtgtataa	1560
aatgtttcat caattgataa ttaattatta atctgottac tgaggtaaac cccttttaatt	1620
gcaatagcaa atatgaggta tttttttgct attgacatgc gtatatgaat ccatttgtat	1680
caaattgccg atataatgaa atggaaatta agggaaaaaa aaaagtttat atccaaattc	1740
atgcgattaa caggttcttg tgattataat tggttaacccc ctcccccta aaactcatat	1800
ctgccaaaag aggaggatat ttgaatatgc tattatgaac ccattgatt ttgactacaa	1860
ttggatttgt cgggtattga aaccacaaaca tattataatt tgctatgcgt ttaaatcaac	1920
cgtttactgg tagatcctat actataaata cagccaacaa tcccattg ttcagataaa	1980

gtaacactca atatcatttg atcaatcaat caagaggatt acaaa

2025

<210> 130

<211> 2731

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 130

acatattttt ttttaaaaag aaaacatatt gatacttaca tgtggtacta ttgtctgatt	60
catcaattcc gctcttcaat ctoggtgttc ggataatttc gatgaaatta taattacctg	120
ccgcaattct agaaattcct ttttttcttt tctttttctc ggagttgggtt acaatacaaa	180
gattgaattg aattaggtga gaagaagaag agtcttaaca ccagatgtat tacagcttta	240
aactttgttt ctaatttgac cacaaaaagt tgtctgcacg cctcagtttg aaattagttt	300
tgggagattt ctgttttctc attggcctta ctctatggaa gtttttatac aagagcttcc	360
ttctaaaatt aactctttgt gttgtaatat agctaagtct aattcttgat tagtgtggaa	420
agcctaataa gggttatattg tgcacagggt aactacctta atatagttat tgtaataca	480
gttattgctg ttgactacta ttgttattgt taaattaaag tgtaggttg agttaattga	540
atagtgaaaa ccaactaact accgtattaa attattgtat taagattgat tcctattaag	600
gataaaacag agagtgtgtt agaaagagaa aggggtggatt ataaatatgt gtaaaatccc	660
ctttagagac taaccactag aaatctattg atggtttcat atatagagat taacgattat	720
atttataata taagttggta gttgctagta tatttgaaag cactacagta tagtatgtca	780
gaatcagatc aattaaactc tactaataat acaggaaaca ctttcattag tctagatcaa	840
gccagtacaa taatggcaga tcaaactcaa ggaggttaacc cacaacaggt tatgagcctc	900
gcccgttat tgaatttaga taatataggg gcaatgaaag cttttgaaag tgttgatttt	960
cctgaatcat taaaactaga atccaagatt aattttcaag tgtggagaaa tgaaatcctt	1020
agatatgcac gtggtattgg tgctgagttt gaaaactttg tattgaatga aactccagct	1080
cacctgtatg atcttagatt gggaaatatg cttcatcaat tattgattcg cactgtgaaa	1140
gaaaaagtta gaatgcctag gcaagaactt ggaaaatcag gaaaagaact ttatcttgat	1200
cttattaaat cattcggtac tcaataccca tacgataaat ttgagatagt taaatactat	1260
tgggatcagt taacaaaccc ttttaattaat gtgaagagac gttttgaaat tgaagaagta	1320
tgggttcaat acattaatgc tcaaactgca acagagagag aagttcttaa ttcatttggt	1380

tggttacatt tgtcaaaatc tatattacca caagagtacc ttagaagtgc ccatccagtt	1440
cttgataaaa atgtgattaa aatatttctt gataccatc caaaatgtga tattgatcaa	1500
attatgtcat ttgtaaataa tgaactgatt aattatgtag ggaaaaatga tacaagggaa	1560
aatgatatgg gacagaatth aagagagagt gatttaagag agagtgactt aagtgaaaat	1620
gatatacaac aaaatgagtt aagcgaaagc gattcaagtg aaaatgattt aagagaaata	1680
gcaacaaaag aaactgttag tgaacttttt gaaaatcaat gtcagaattg ttttggactt	1740
ggcatgatt catatgaatg ttcactggca tttagaaaca atcagtatat tccagattta	1800
ttttctagac ttcagagttt tcgtggaaat agaattcaaa ataataatag aaatgtctgg	1860
tctagattct cagaacaaga tgagtcaatt gcaatacag aaaaaggtaa ctagatctaa	1920
tgataaaaat gaaaatcagt ggcagtcaaa acaatttaca tattaacaa gtttgaatgt	1980
aagttgttgt tgtttagata aactatgtca tggatccaa agttttattt tatatttatt	2040
atttaagtgg tcatgtttat ttacttataa ttgttattta gtttttcaag tgtgaatttt	2100
acttacttat aattgtattt agttttcaag tgtgaatttt acttacttat aattgtcatt	2160
tattgttcaa gtgttatttt tacttactta taattgttat ttagttttca agtgtgaatt	2220
ttacttactt ataattgtta tttagttttc aagtgttata ttacttact tataattgtc	2280
atttattgtt caagtgttat tttttactta cttataattg ttatttatgt gtccaagttt	2340
taatattatt tacttataat tgttatttat tgtatatgtg ttaatttaat tcaattgtta	2400
attgttattt attgttcaag ttttaatttt atttacttat aattgttatt tattgtttat	2460
gtgttaattt aatttaattt aattgttatt ttactattt aaatgttgat tttatttatt	2520
taatgttaac ttgtcatttt taattttact tattatattt tacgtgtgac tattatctat	2580
gataaaacac taatagtgga tattgagtgt ttatttggtt catcgagag gatatttatt	2640
ggaggaggga gaaaatgtct atttggtata aggaagacca taaaagttgg ttccaaatag	2700
tcaaccaacc aataaacatt cctcatgct t	2731

<210> 131
 <211> 2858
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 131

cctccgggcg tctatttaca agctgcttta ttatttggtta ttacctgggt gtaaaagccc	60
tcttgcatth gagctatttc tattcccact tcgggtatttt ttttacagcc tcgttagacg	120
agttcttgat attactaaat tagttgttta ctgagtggcc tgatgggtcc tcgtcactct	180
agtttttggg ctatataagg gtcagaaatt tcccttctcc ttaggtccat caagtcaaga	240
tatacattag ttggtagcat cgtatggaat tttcgtatga acggcatacc aagtattaat	300
ttccgatcga aatttttttag gacgtottga taatcaggac aaacatcatg aaaggtctat	360
acgacgaaag tttactttac acaaggggag accatatgtc ttctttatta acaactagtt	420
atatagcgaa caaataagtt tatacagaaa tatatgtaca caaacaagt tattgtttat	480
taattattta attagctcgg aagaataact ctgtgatact gcatacattc aaacaaaatc	540
aatctagttt ccaacatctt tttcacttgg taatgtaatt attcttggtc tggcaccgac	600
aatgggtatt gttttgtagc tggaggacta atatggggta ccacctcaat ttttgatcc	660
cagctcccac gcaggggtgg cttctgatct aactcacttt cgaaaatata ctgatagttt	720
ccaattaatt cagcaaaaata gctcttggtt gtacccttaa ccaatgacat gatatacttt	780
ttattatcac cgataccacc tgtgtcttcg tcttggtgta atatagctaa tgctaattct	840
tgattagtgt ggaaagccta ataaggttat attgtgcaca ggttaactac cttaatatag	900
ttattgttaa tacagttatt gctgttgact actattgtta ttgttaaatt aaagtgttag	960
gttgagttaa ttgattagtg aaaaccaact aactaccgta ttaaattatt gtattaagat	1020
tgattcctat taaggataaa acagagagtg tgtagaaaag agaaaggggtg gattataaat	1080
acgtgtaaaa tccccttttag agactaacca ctagaaatct attgatgggt tcatagatag	1140
agattaacga ttatatttat aatataagtt ggtagttgct agtatatttg aaagcactac	1200
agtatagtat gtcagaatca gatcatttaa attctactaa taatacagga aacactttca	1260
ttagtctaga tcaagccagt acaataatgg cagatcaaac tcaaggagct aaccacaac	1320
acgtcttctt cagtattagg gaacaacata ctaacttgac cttttctagc ttcaacaaaa	1380
aattcctcta tatccattaa tggaatttca tcaaactgag cagcccaaaa aaacgttttg	1440
cttccaaagt ctaaagagc atggaatttc cttatgaaag gtataccaag tattaatttc	1500
ttatggaagc tgtccactac agcaaaattc tcttggaatg taataccatt aaactggaac	1560
ttgaggttaa ttatttggtt aaagtttctg ttgatttttg gtccaataaa gtacccaaac	1620
tactagagct ccaacaacat tttcagaaaa tggccaataa tacaataagt gggatatatt	1680
tatcaaaaga gtttatatta tggttactcg acggtattat tctctgttga ttttaaggcat	1740

tctgggtcgac cagtggacaa aattcaagag tagtgtttgt ttagacttta caggacatga	1800
tagtatatat aacaaaaatg aaatacatta atcaaaacta actaaatcct aaattaatgc	1860
caatttctat tgaattgggtt tgctactttg taaaatttgt gagtaatcct aagtacttat	1920
atggaaatca acaatggcaa aaatacaaga gaatgacccc atgacacatt cagtgcacaa	1980
ttcatagtaa ctgcttggtc acttgacat gactctgcta gtatactcaa ccactcttgt	2040
gacttccata tagatactct cgatgaaatg tctcaaatta gaggacaaac aatctgctat	2100
aatcttggct aatcacccat gtaacatgga ggaaccaaac acatagatat acggtaccat	2160
ttcatacaga atttatcact aaagaaatta agaaaaactt gtgttatcaa agtgggttgc	2220
gaactttgta gtaagggaga gtgttgagaa ttagagattc taagtccag aaaaatatct	2280
atatttatat atatataggt agtgcaacac tacataaaag ggactgattt gaatgtatgt	2340
atgtcaaatg acacccttat aatgttgagt gacatcatat caaaatggaa atctactgta	2400
tcaattaaga gattactaaa agcaatatac ttaatatgag gtcgtacttt aagattgtga	2460
atagtatcag tagcgagtgg ctatgtgttg tgatggagca tcaactgtag tttcttagat	2520
gtaaatctca gtgactataa gcatactaaa ttagttatga agatatgttc cattaaagta	2580
tttaaaaaat aatagacagg ctatcaattt ctaatagatt taccgtccag attataaaaa	2640
aattatcgag atacatatta caccgattga attaataata tgtctactac aaacctatca	2700
cggaacttga tgcaattgat tgaataagtg tctctctaac gatgacatgt ccaattctaa	2760
tcaaaataat tattattcta attgtaatat ctgggtattta attatttata attcacgaaa	2820
cagtttgatt ggtttctgat tcttctgaca aaaataag	2858

<210> 132
 <211> 1636
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 132	
atgtttatatt aataattaaa cccagttga ccaactatga aatagtataa tgataaatgc	60
aaaataaata tagtatgaac aatatgatag ttttagtgtg aattttgaat aagaaaaaga	120
agggataagg atatttttac taggaaactc aattataatt actaatgata aaaactccat	180
cagctactat tattactcaa attttaaatc atttgtttat cacctacaca aacagggatt	240

gtccaatatt gattactaaa attagaacaa ataagagaat ataattgaag ttaaataatt	300
cttttactaa atctattgac caagaactac atcaagggaag agtggtgcat atacatctaa	360
tggtttattct tggtagagt attgatacaa aattatatca tcaccaacga atcacattaa	420
gggaaagtgt tgtgcatata cctgatgctt agtcttggtt aaagtatttg tgtgaaagg	480
tatcgtgacc aaagattata gtaagggaag gtattatgaa taaatccaat gtctactttt	540
acagaagtat tgacatgaga gattataact atcaagaatt gcattaaggg aaagtgttgt	600
aatatagcta atgctaattc ttgattagtg tggaaagcct aataagggtta tattgtgcac	660
aggtaacta ccttaatata gttattgtta atacagttat tgctgttgac tactattgtt	720
attgttaaat taaagtgtta ggttgagtta attgattagt gaaaaccaac taactaccgt	780
attaaattat tgtattaaga ttgattccta ttaaggataa aacagagagt gtgttagaaa	840
gagaaagggt ggattataaa tatgtgtaaa atccccttta gagactaacc actagaaatc	900
tattgatggt ttcatatata gagattaacg attatattta taatataagt tggtagttgc	960
tagtatattt gaaagcacta cagtatagta tgtcagaatc agatcaatta aactctacta	1020
ataatacagg aaacactttc attagtctag atcaagccag tacaataatg gcagatcaaa	1080
ctcaaggagg taaccacta caggttatga gcctcgcccg cttattgaat ttagataata	1140
taggggcaat gaaagctttt gaaagtgttg attttcctga atcattaaaa ctagaatcca	1200
agattaattt tcaagtgtgg agaaatgaaa tccttagata tgcacgtggg attggtgctg	1260
agtttgaaaa ctttgtattg aatgaaactc cagctcacct gtatgatctt agattgggaa	1320
atatgcttca tcaattattg attcgactg tgaaagaaaa agttagaatg cctaggcaag	1380
aacttgaaaa atcaggaaaa gaactttatc ttgatcttat taaatcattc ggtactcaat	1440
accatacga taaatttgag atagttaaact actattggga tcagttaaca aaccctttaa	1500
ttaatgtgaa gagacgtttt gaaattgaag aagtatgggt tcaatacatt aatgctcaaa	1560
ctgcaacaga gagagaagtt cttaattcat ttgtttggtt acatttgtca aaatctatat	1620
taccacaaga gtacct	1636

<210> 133
 <211> 2125
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 133

tgagtagcct tttcttgggc gactttatta gcttcatcaa caagacgttt atcttcagct	60
tcctttttcca taataattct cttccattct ggaattgggt ttggtttctt tttatttatt	120
tcctcttctt tcatagccaa caaaagagta cccaataata atataatggg gataccttgt	180
gcgtacattc ttgcttgaac agctttttgt gcggtatcca taattttgtc tctgttaacc	240
aatacccaag aaccatataa ggaaccagcc caagcactta tgataatttt atattttattg	300
tcattcaata cggtgaaaca tttgtcacta agcgataatc tgttccattc acggtattct	360
tccaaatatt tagcttcttg atactccgat tgatgcatct ttctatcgaa ttcaacagaa	420
ccttgatcag cgaaaaaggc agccacagaa attgttggca tagcaattat ggctgctttg	480
atacttggat tgaatgttgc aaatcttgcg ggatgtctat gctttaaata ttggtacaaa	540
ccgactgaaa gtgcaccacc ataaaacaac ctttggcac cttctgaaat aatatgtgaa	600
atgtgagcgt ctttttcttc tttggataag atcttcattg tggaaattaag atgactttgt	660
gattaaattg ttgacttctt taagcctttt aatgtggagg aaaaagaaaa atctataatt	720
aaaaaaaaa aagataaagc agataattct ttgatcttta tatacttggg ctatatgtag	780
taggggaaag tcggagtcgg aatttgaaaa aaaaagagaa aaaagaacga atatttagac	840
tgtaaaattc aaaccctgc tgattagtat ataaaaaaaa tgagttcatt tttcctttct	900
ttttttttt ttcgcgcgga tagcaacggt cattaagtta acgagataaa aaagaaacaa	960
ccagataatt atgaaaagtt gtgatgggtg cacgtgcgaa catgagagtc atgaattttg	1020
acgaaaacgt caagcttcag tttacaaaag acctctttat taaaatcgaa ttgcttatag	1080
ggcgcgcgat gatgagaagg tgtatgttgt aatatagcta atgctaattc ttgattagt	1140
tggaaagcct aataagggtta tattgtgcac aggttaacta ccttaatata gttattgtta	1200
atacagttat tgctgttgac tactattggt attgttaaata taaagtgtta ggttgagtta	1260
attgattagt gaaaaccaac taactaccgt attaaattat tgtattaaga ttgattccta	1320
ttaaggataa aacagagagt gtgttagaaa gagaaagggt ggattataaa tatgtgtaaa	1380
atccccctta gagactaacc actagaaatc tattgatggg ttcatatata gagattaaag	1440
attatattca taatataagt tggtagttgc tagtatattt gaaagcacta cagtatagta	1500
tgtcagaatc agatcaatta aactctacta ataatacagg aaacactttc attagtctag	1560
atcaagccag tacaataata gcagatcaaa ctcaaggagg taaccacaaa catagaatac	1620
gttttcaact acttaagtat ccactaacct aaattttttt tttaataaaa tttcattgta	1680

ttagtctttc ttactgcttt taatcaacta taagtatagg tttccgtttt ttttgtagta	1740
aaatttatcg ttcaggagaa ataacaaaat gtacacgact tattcgagc attttttttt	1800
ttgttttggg tttttgtatc aaattgttac aacaacaaca acaacctcaa ttcttaacca	1860
aatctacccc tcttattttt ttttctcata cacacaatac atcttacact atcttttgat	1920
aggctttatt gaagaagtat ttaaggagtg taatgacaat ctgcttaact catatatata	1980
tatatagata gtagtcaaca atagctttat ctactttttt tttttggcga ccctgcaac	2040
ttcaggccca ccagtttgcc cattttggtg cccccattga gtaaactgag ggatttgag	2100
cacacttttt tttaggtaaa aatgg	2125

<210> 134
 <211> 1292
 <212> DNA
 <213> Unknown

<220>
 <223> sequence of retrotransposon from unknown organism

<400> 134	
ctaataccaaa aatccataac ccaactgctc aacggcgaaa tccaaaactt ccatgctatt	60
ctagacccaaa cagtgtcgaa actcaatgat gcagagtggg gtctcgccgt tatggttgaa	120
aagaaaaaga aacttgacga attgaaagtc aaagaagaag cggcaagaaa gaaggaagaa	180
ggggcaaaga aaaaggaaga agaggcaaag aaaaaggcag aggaagcgaa gaagtgtttt	240
attttacttt tctgtcaaat ttgcactact ttttaattgt gtgcaaatat tctattttac	300
ttgattttta tatactttta tttacaata cttttttata ggacttttta tatcttttct	360
ttatcaactg ttcgctatag ggtaggctct ccaagctaatt ttaccgcac acaagatgaa	420
atattttctg ttgagcactc gttgtcgaca gtgaaaaatt ttcactcaag aaaatatatt	480
atcatcactt tttctagaag ggagggtcaa gtgttggaga atagacagcg aacacctgat	540
attcccaagg tcgaattaga ttgaaagata aataatagtc atattttatt tgtatttagt	600
caataaatta tctttttata tttaaattct tagtattgtc ataccacgta gattgatacg	660
gacatactta gcacatttaa catatattaa gcaccgatta cctgtgacat tccggagttt	720
actgtttcgc gcacgtggc agacgaacat caactcatct tttatacaat atattcttac	780
gattataact ttcaattaag aaatacaact tcttattagc attctcctac aagttcttaa	840
gttcctagga atttcttcga aactataatt aaagacgaaa agtgtaaaac aacagaaag	900
cagaggaggc ccagaagaag gcagaggagg ccgtcccaca aaagtttgac aactttgacg	960

actttattgg ctttgacatc aacgacatgc agaacgacga taccatcgac gataccatcg	1020
acgataccat cgacgaaacc atcgatgaaa ccatcgacga taccaacgac gaagacatgt	1080
tgtccaacat ggactacgaa aatctagatc cggacgagac catcgacgaa gtacctgcca	1140
ccacagacag cgacttggac atgaacaaca tacttgaaaa caacgagctg atattagacg	1200
ggttgaacat gacattcctc gacaatggca acaacaccaa ccacgtaaac gaagagtttg	1260
atgtagacgg ctttttaaac cagtttggtg at	1292

<210> 135
 <211> 568
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 135

gattgtatag tgggtgtggtt gatcgacttc aatataacaa gagagagatg agatgagatg	60
cttttatcgc gtatatatatt ttttttccat tgacaattct gatttcacaa attgttcgct	120
atagggtagg tcttccaagc taattttacc cgacacaaga tgaaatattt tctgttgagc	180
actcgttgtc gacagtgaaa aattttcact caagaaaata ttttatcatc actttttcta	240
gaatggaggt tcaagtgttg gagaatagac agcgaacacc tgatattccc aaggtcgaat	300
tagattgaaa gataaataat agtcatatatt attttgtatt tagtcaataa attatctttt	360
tatatattaaa ttcttagtat tgtcatacca cgtagattga tacggacata cttagcacat	420
ttaacatata ttaagcaccg attacctgtg acattccgga gtttactgtt tcgcgcacgc	480
tggcagacga acagattaga agcttggttaa atcttttggtt attcatcacg tcttgagaat	540
aatacaaagt ttaatatagt attttcaa	568

<210> 136
 <211> 946
 <212> DNA
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 136

gattgtatag tgggtgtggtt gatcgacttc aatataacaa gagagagatg agatgagatg	60
cttttatcgc gtatatatatt ttttttccat tgacaattct gatttcacaa attgttcgct	120

atagggtagg tcttccaagc taattttacc cgacacaaga tgaaatattt tctggtgagc	180
actcgttgtc gacagtgaag aatttttact caagaaaata ttttatcatc actttttcta	240
gaatggaggt tcaagtgttg gagaatagac agcgaacacc tgatattccc aaggtcgaat	300
tagattgaaa gataaataat agtcataattt attttgtatt tagtcaataa attatctttt	360
tatattttaa ttcttagtat tgtcatacca cgtagattga tacggacata cttagcacat	420
ttaacatata ttaagcaccg attacctgtg acattccgga gtttactgtt tcgcgcacgc	480
tggcagacga acatcaactc atcttttata caatatattc ttacgattat aacttttcaat	540
taagaaatac aacttcttat tagcattctc ctacaagttc ttaagttcct aggaaattct	600
tcgaaactat aattaaagac gaaaagtgtg aaacaaacag aaagcagagg aggccaagaa	660
gaaagcagag gagggcgccc cacaaaagtt tgacaacttt gacgacttta ttggctttga	720
catcaacgac aataccaacg acgaagacat gttgtccaac atggactacg aggacctaaa	780
attggacgac aaagtacatg ccaccacaga caacaacttg gacatgaaca acatacttga	840
aaacgacgag ctgatactag acgggttgaa catgacattg ctcgacaatg gcgaccacgc	900
aaacgaagag tttgatgtag acagcttttt aaaccagttt ggcaat	946

<210> 137

<211> 951

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 137

gatttgagaa ataccattga agatctagag ttaaaaataa ggaatttgca tgtacatgag	60
gataatcaag cggtcattac aatcttaaag aatgataatt tccaccacaca tagaccgatt	120
gatatatgtt acaaatttct cagacaaaaa ttgaaagatg gatttttttc aatatcatat	180
gttgaatctg gagataattt agctgactca ttcacgaaag ctttaggaag aaataaattg	240
attgaacata ccaaaaggat tagagaaaga aaggattatg ataataatgc tacactgata	300
gtggacgtta ggacgctcga agagattaag ataaacaaga aattggtaca tcattaatta	360
atttagctgt ttacctgaat caggggagtg ttcgctatag ggtaggtctt ccaagctaatt	420
tttaccgcgac acaagatgaa atattttctg ttgagcactc gttgtcgaca gtgaaaaatt	480
ttcactcaag aaaatatttt atcatcactt tttctagaat ggaggttcaa gtgttgagaga	540
atagacagcg aacacctgat attcccaagg tcgaattaga ttgaaagata aataatagtc	600

```

atattttat tgtatttagt caataaatta tctttttata tttaaattct tagtattgtc      660
ataccacgta gattgatacg gacataactta gcacatttaa catatattaa gcaccgatta      720
cctgtgacat tccggagttt actgttttcgc gcacgctggc agacgaacac aaatgcttga      780
actatctgcc gacttttttt tatttatggc gtgagacatt gttctcgcac acggttgtga      840
tttatctacc aggtctctcat atttagagcg acaactactt tgagcaagca aaacgcatat      900
ctcaccacac accaattgta ggtattctc aaccggaaag tacaactagc a                  951

```

```

<210> 138
<211> 107
<212> PRT
<213> Unknown

```

<220>

<223> sequence of retrotransposon from unknown organism

<400> 138

```

Asp Leu Arg Asn Thr Ile Glu Asp Leu Glu Leu Lys Ile Arg Asn Leu
1           5           10           15

His Val His Glu Asp Asn Gln Ala Val Ile Thr Ile Leu Lys Asn Asp
          20           25           30

Asn Phe His Pro His Arg Pro Ile Asp Ile Cys Tyr Lys Phe Leu Arg
          35           40           45

Gln Lys Leu Lys Asp Gly Phe Phe Ser Ile Ser Tyr Val Glu Ser Gly
          50           55           60

Asp Asn Leu Ala Asp Ser Phe Thr Lys Ala Leu Gly Arg Asn Lys Leu
65           70           75           80

Ile Glu His Thr Lys Arg Ile Arg Glu Arg Lys Asp Tyr Asp Asn Asn
          85           90           95

Ala Thr Ser Ile Val Asp Val Arg Thr Leu Glu
          100          105

```

```

<210> 139
<211> 9850
<212> DNA
<213> Candida albicans

```

<220>

<221> misc_feature

<222> (1)..(9850)

<223> 'n' can be any nucleotide 'a', 'c', 'g' or 't'

<400> 139

ctaataccaaa aatccataac ccaactgctc aacggcgaaa tccaaaactt ccatgctatt	60
ctagacccaaa cagtgtcgaa actcaatgat gcagagtgggt gtctcggcgt tatggttgaa	120
aagaaaaaga aacttgacga attgaaagtc aaagaagaag cggcaagaaa gaaggaagaa	180
ggggcaaaga aaaaggaaga agaggcaaag aaaaaggcag aggaagcgaa gaagtgtttt	240
attttacttt tctgtcaaat ttgcactact ttttaattgt gtgcaaatat tctattttac	300
ttgattttta tataactttta ttttacaata cttttttata ggacttttta tatcttttct	360
ttatcaactg ttogctatag ggtaggtctt ccaagctaata tttacccgac acaagatgaa	420
atattttctg ttgagcactc gttgtcgaca gtgaaaaatt ttcactcaag aaaatatattt	480
atcatcactt tttctagaag ggaggttcaa gtgttgaga atagacagcg aacacctgat	540
attcccaagg tcgaattaga ttgaaagata aataatagtc atatttatatt tgtatttagt	600
caataaatta tctttttata tttaaattct tagtattgtc ataccacgta gattgatacg	660
gacatactta gcacatttaa catatattaa gccccgatta cctgtgacat tccggagttt	720
cttgtttcgc gcacgctggc agacgaacag attagaagct tggtaaatct ttggttattc	780
atcacgtctt gagaataata caaagtttaa tatagtattt tcaaattttg gaatacaaaa	840
gttgctaatt ggtaaataag ttattgattt atttcataaa tcttttttgg tatcatattt	900
caaagagttg caattgaaag ctaaagacat ccttataaat ggctgaattt agcgatgctg	960
agctcagaaa gatgatgggt acactttcac tcttggtaga agattccagg agagaaatta	1020
accacttgca tgataagttg gagaacaata gtgactcaaa atatcaatct ttagaaacgt	1080
acatcaactc aaagtatgca gatactataa aatcatttga aaaattaaaa tatttggaca	1140
ttgataattc agagttgggt aataacctgga tcatgtgttt taatcagggt aaaaggtttc	1200
accctcaggt ttttgatgct ttcattggagg cagagaacga ggacgaaatt ggaatcgaaa	1260
agatccaata tacgccatac acaggtaaac acttgaatga tatgatcaga atcttctaca	1320
tgaagatata cgaattaata gaaagaaaag ttagtccaaa tgtttctaga gagatgaatg	1380
atggacagcc acaatttggt ccgaatttgt ttaaaaaagt ttacgagatg attatttcaa	1440
aaccagatgt ttctgctgct gaaagaattg gaaaagctct tttcaagta caatctaaac	1500
tgagagaact tgaaagagaa tcagcatttt tgttatgtca acatttaatg accaatgacc	1560
accagcacga tgatattatt cttaaatttc tcgttagcgg tgtctcacca tggactttac	1620
atctgcaaat ttacatgctg tcatataaac ttggattctc aaatttgttt ttagagattt	1680
atgctcaaca ttatgaattg tataaagcag atcccattta caaattgcca gatagtatga	1740

cattgttgaa tgaaataaga tcaaataagag attatcctaa agtggtaaat gctgcaaaaa	1800
atacagtaca agtcaataat gtttcatcca agaacaataa aaagaaggat gaatgacaac	1860
aattagccaa taaaattgag gaagtaggac gttatagcga aataaacgca acatctacat	1920
atcatgaaat tggcgatacc aacaaaaaca aagaacaatt aatattgaat ttgaaaaatc	1980
atacaaaatt aagtgaacaa aagaagaaaa caaacctatt ggtatatgat ctgggagcca	2040
cagtatccgt ggtgaatgat aagactttac ttaacgacat taaagaatca aatatcgaaa	2100
ttgcaactgc tgaaggggag acatctacgg cttatgcttt aggtactcta accatatctg	2160
tgaatggatt gaatgcgaaa ttagatgggtg ttctatactt gccatctatt caattaaact	2220
taatatctat aaaacaattt gaagatttat gctacgcaat ttgatttcc gaaaatctaa	2280
tgtgtctagt tcacagtgc cacggaccta cggtcattgc gaaatattca cctaaagatg	2340
acttatactc aggccaaga tcgggaacct ttttttaaaa gaattcataa tgaccaaac	2400
cattttttgc ttgccnctgc taaaaaactt ttagaatcag agaccatatt tctggagaat	2460
ccctgaaaaa tccaatggat tgatcaagaa aaattagatc cgttgaaaat gaccaataaa	2520
gtagaaagag ttacctatgt cagcatacgc aacatcaaac aagaagtggc agacaaatat	2580
atgataaaag atctttacta ctatcattta ttaattaatc acctttcaca tgaaaaacta	2640
caattattag taaaaagggg agtgattaaa ccagtcaaat ctacttcggc tgagtcggcc	2700
attttaaatt gtcagatatg tgttgcagcc catgcaaaat tagctagcca taatcacact	2760
caacaacggg aattggagcg accattacaa cgcctccatt tggataccgc cggaccattt	2820
acctcaaata aaactaagag ctatcttaca accgtgattg atcaattttc cagatatact	2880
gaagttattg tatctgacac caaagcagtc aaacaaagca tattgcatag acttagggtc	2940
tggaacaata gatttcagtt taagatcgcg gagataagat atgataatgc attggagtat	3000
ccatcggtg aggagttaga ggagttagga atttataaac accttctccc aaactactct	3060
cctatgctta acggtacagc tgaagcaacc aaccgcccc a tgtccaagg tatttataag	3120
gtagtgtaa attttagttg tcaagtatta atacttttcc catttatagt ggagtatgcg	3180
gttcatatcc ggaatcatc acctataaaa gaatttgatg gtgctactcc ttatgaacgt	3240
tactatgggt tatctaaata cgtcatacca ttttttcagt ttggaaccga cgttttgata	3300
aaatgtgcta gtgtacaaga agctatttca ttaaaactac catcttcaag agataaagct	3360
tttcctacag tgatgtttgg tgcttttctc ggttacggct cagattcctt taccttcaga	3420

gttttagttt ccacgaaagg atatccagtt attacaacat caaacatccg tccaatagcg	3480
acgatgcaag tactcaatga ctatttgga tacatatcgg agaatagctc aataagctat	3540
gacgatacat tcttatcacc tttgaatcac ccaatgattc gcacaaacca acatgataga	3600
cgtggagaca atataaatgt cgaatatgaa aaccgtccaa atgtaccatt tgaatatcat	3660
gctgaacctc ctcgtaaaaa ttcacgcgac ggaattatcg atcgaccaga tattagacct	3720
agagctgatc ccacctggca acgtatgcct gatgccaaaca tacatcagga aacaacaact	3780
gtacagactc ctgatcatgg ggagttagat accatgatca acaacgaaca ccaactacca	3840
cgatctgggg agggttaatta ccccgggcaa cagggtgcga ccgatattat tgggcaattt	3900
cgagatcgcg ggccctaccac tctaaacact ccgatcgatc taggtgtacc cgatgaaaca	3960
gacgatatta gtatgacatc agagaatcca attgattccc caaattccga gatgatcata	4020
tccccatctt taccacaaaa tgaattggaa catcaaactc atatcagttc aggggagatg	4080
tcgttattgc aaacgaatat ggaagcagat aacgaattga aaacaaatga aatggtatta	4140
tacaaatcaa aaaatgatgg tattatcatt caacaacaac aattcactga aaatttgtca	4200
gatgaaaatg aagaagattc atcaacagat gaggaaacat tggaagacaa aaaacaacag	4260
cgattggaat ataattttc accaaacgat gagtggataa ataatgacgt tcagaacgaa	4320
gatgacacac aagtgccaca tgtaaggaa ccaatcaatt atgaaactca aagtagaat	4380
gaaacaaaca tgccacgaat tgaaatgggc ataatagaaa acttaagtga tgatggaaag	4440
aatacaccac gtgaattacg tatcgtcacc tacgataata ataaagaaat tgaaaagtac	4500
caagacagta atatcgagat cctggaaccc agaaacgaaa atgaaaacca gacattcatt	4560
gaaagcaact tagaattact tgacaatcaa gaaatgtttc aagaagatcc tcaagttgaa	4620
gatattcgat tgacaactcc aaaaaaggac aaatcgttat cacctgattt caatcaaacc	4680
cataatgaaa tacaactatt catggcagat atcaatgaag atatgctaga agaatatgat	4740
gaaaatataa atatgaatga agtggttagct gactccacgg agacgttgga caaagaatta	4800
gatttagatg aagaaagtgg aaggatcgaa tatattgctg atagagttag aaaaaagaca	4860
gaggtactga tgggtgcgcca cacgggaaat atttaaagaa aatgataaa gattttggtt	4920
caataaaaag tcagaaaaaa tctgacgcac aaatggatga tgaagttgga attgctattt	4980
cgaagatcag aaactttcca tttagattga aggatggacg agcaagtttc ttccctccat	5040
ataaaacaaa atttggaaga tcagtgcac cacctaaaag atatttaaata gccattgtta	5100
agaaaataga ttacaatcaa aaagaatggc gtcaaagtat ggaagaagaa atcgaaaaat	5160

ttaaggctaa ccaagtttac accgttgaaa aaacaccaaaa gaacgttggtc ccattgaaaa	5220
ccatgtgggt acatacttac aaaaccaatg acctcaaaaa tcataattac aaaagccgtt	5280
gcgtggtaat gggaaactat atggtcgaaa atcgtgattt tgatcccat gccatctcct	5340
ccccggtagt agatctcaca agtatacgac tattatctgc catagctgtt gaaaataact	5400
tggttatgca ccaattggac atcgctcag cttatttgaa cgccagtttg gaggatggaa	5460
gagtaatctt tgtgagacca ccgcgtgggt ttgagggttaa acctggctat agttggcgtt	5520
tacacaagtc tgtgtacggc cttaggcaga gtgcccataa ttggtactca cattttaaga	5580
atgtgttga ggc aaatgggt ttaaaacaaa cactacacaa tgatggcatt ttttggaaaa	5640
attatgaaaa tggagatgta ttatatgtga gtgtatatgt ggatgatgtt tttatcaaag	5700
cgaattcaat gagtttctgc aactaaattt agagttgctt ttagtttact aaacaaattt	5760
tatccttgct aatcaatact atctattatg cagcatctag caaccttaaa acaaccaatg	5820
gaaaaattaa aaaaattccc tcatcaatct ggcatgttcg aattgaaaaa aaaaaagaa	5880
aacaatagaa attcaatata atagagcata gaactggcca gaatgtgaga caataagtca	5940
gaacaagtga ttgccagtat aggtaggag aagcaacaaa gagagtttac acagctgaaa	6000
acaatcatat cgacggttat tgcaacttg ttgctatttc aactattcgt aatgggtcca	6060
tttttagcca acacaatttc agagaagacg cgaaaaagga cttggaaact tcatagttta	6120
gagccacaaa ctataagaaa taatagtacg atctaaattg gttccctagg ataatgcca	6180
acaaagaaat ccccaaata attgtaaatt gttcaacctt agtaactcta tctagcattg	6240
cggagttcct tgaaaatgaa ttggtttgggt gttcctacct gttcagtact taatcactaa	6300
ctagacaaat tctttggcga aagctcaact tttgtgaagg tctttctcta ctatgaacat	6360
gactcccagc aagtctaggt ttggtgcac tatgagttta atttagtttt atcgggctaa	6420
tactacttat ttccgttatc ggtgtgacct ccgaagaaag ggtattacgg ggctcataat	6480
tttttttttt ttggcaagta gagtgagatt caaaaaagaa aagtgaacca gagcaataat	6540
tgctattaat tttagttttt tactcactag ctatacttgg ctcccaaact gattttgtaa	6600
ccctttgagc aaggttgttg gtcaactgca agatcaacta agcaagatca cgccttatac	6660
gcaagccctg ccaaaaaata attcactctt gaaacaagga attagcagct attaggtaga	6720
cttttttttg tacctgtatt tcgttaccaa cactaacga ggcactaccc aaactcatat	6780
aaacatgact aagagaaaac aatagagaag gggtttagtt gattttccaa tacattttag	6840

tgctgaatta catttatcta tttagtttag ttccataatc tttctaatat tgttgaacca	6900
ttagcaaact ttttagatta aaagctcttt tgtaactgtt ttttttctgt agttatcgcg	6960
taacctttcc ccttcagaat ttctaaaccc tccccccct ttcttcaaaa cattaaagac	7020
tttgaacttt atcatcacca caaaaactta ttaagctcca gcaaatttca ggtgacacca	7080
aggaaaacaa caattaacat tcttggagtt aagagtatat gctggtgcat ggattaaata	7140
tgctgttct taaccccagc gaaaagaata tgttatTTTT gaacaaaaaa atagaatatc	7200
tcaataaat ttgttctccc cttttgtcta tctatccct tagctttttg ccaaattcca	7260
acacaaaatg ctttagtctg cagaaatgat gactaaaata ttcttttct tcaaaattca	7320
tattttcaaa atttagcaaa tgggtgtact agatatcaga attttatctg gtgagtttac	7380
tcaaccatag tagtcttttt ttagatcaaa aattagactt atgaacccta tattgaataa	7440
agttagtgtt cccacagct attcataata aaaaagctta acaaaaagtt gagattatca	7500
gcgacgatcg atcatgtcgt tccagagatt gtgttatagc gcctccttat gaacaggtaa	7560
actattagtt gcatgtagat ctattgtgtt caaatttaaa ttttaagaat tgtagctca	7620
aaacaaagac gacctgaaat tccaaaaatc ataaagtta cccccaaaa agtaacgaca	7680
ataaagggtg accaagaaat aatggttgta gtttttccct tatctgtttt agattgcttt	7740
attagggggg atcactaatt agcaattgta gcccttgctc gttattgttg cttgattttt	7800
tctaaaaaca ttgcttagc attattgttg taagacatat ttatctattg tttctaccc	7860
ttttagacaa atgattagcg ccccttgaca cgatcacagc ctattgtttg gtgcactatt	7920
tgagctttaa agtactaact tgttttcaga ctatcaatct atgtgtttgt tcaaagccag	7980
gcactcgagt cattagtcaa caataggctg tatgttgcta tccatgtagt gccttgctta	8040
cagaaatttg cttttttaat tcacaagcat gagatttttt gtttgtgtgg tatttgacgt	8100
aatgtaaca tgattacttg aaattcgata cgatcttttt cgtcgtctat acaaaattta	8160
tcaagtgcta ctctgtgata ttttgcaaaa ccaatctcat tgttccttgc atgagaatga	8220
tttcgttgtc atcaaagaaa tataagcttt cattaccaca acaaatagca catggtacta	8280
ccttcccaat taaagtatga tgtaaccgtc gttgtcccct tatgtcaaat gcaaagtga	8340
cattcaaact taaatgcgag caagagcaat tataatatta cttcttctag ctttacaaaa	8400
taatattttc atcatttctg agtttattag tagaaacgtt aatattattt cagaaaagac	8460
tacaataaat tattggggta attcttagcg gtaggttctc ctgccacga gtgctttgca	8520
ctgtaggtta aatttatttc ttcaggatat tctaccct ctaggttgta ctaaccattg	8580

ataattactt gcaaataattt ttttcaaaaa aagaaaaccc tttacataaa taagctttat	8640
ataattatac gttgaaaaat gaccctaatt agtgtgcagt tttcaaactt taaatgtttc	8700
tctaccaat gattacagag atcatcaaca cttgtgaatg gacatcatat ctgtacgctt	8760
ttctaggctg cgaaattatg taactttcttg gtgtacaaaa aattgcaacc cctaagaaaa	8820
tcataagttt atatccaaga aaaaaatggt ttataagcgt ataataaaaa taataatatt	8880
attaaccacg atggccaaaa gaaatctaaa gttggcaata attcgctagt tggggggaag	8940
ttgccataa taaatgagca ggcgttttga tatttataat aatagggtcac ctgttttgag	9000
tatttctac agggactttt attttcataa ggtggatatg ctatcacttg gtgaaacaac	9060
ttcaaattcg tgtactttgc ttatgccaga tacttagcac tgggaaattg ttacaacccc	9120
atttctggaa atgtaacgct acctgaaacc atcttatggt cctgccattg gtgtttcatc	9180
gtgttacaat gctagggtttt ttaaattgtct acaagtcaat attatattca agataaactt	9240
ttcaaaacat ctgattttatt atgacattat tcttggtgac attttttttg ggtagacaag	9300
aaataattgc agataatata gaacacttat gccacgtggg tggatttaat agaatacctg	9360
taaaatatta tctctagaga attataaggg gaggagagaa gatctatggc aatgcaagaa	9420
aatgcaagat catcgtaaaa aaagtataag aatgactcca taagatatat aaaccactt	9480
gtttgaagag cgcttactac acggggttgt cttatacaaa aggcggcagg gttgcagtac	9540
ttctgtagtt tctaaccctt gtattcctta ggccctggaa tataataactt cctgtagtaa	9600
atgtcggagt ttaaattgct gacattgcaa gaaaataaaa ccaatataat attttttatg	9660
tcacgaaaga aatggaacaa caatgtagca ccaaaagggg tagagactag gcagtactat	9720
atttggaggt aaaagtatat tagaaaaaga acctatacat gaaccagtaa ccataacaaa	9780
aaaaaactaa acccaagcaa ttaaccatcc aaatttaacc cgttttataa tacaattttg	9840
accacatcta	9850

<210> 140
 <211> 305
 <212> PRT
 <213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 140

Met Ala Glu Phe Ser Asp Ala Glu Leu Arg Lys Met Met Gly Thr Leu

1	5	10	15
Ser Leu Leu Val Gln Asp Ser Arg Arg Glu Ile Asn His Leu His Asp	20	25	30
Lys Leu Glu Asn Asn Ser Asp Ser Lys Tyr Gln Ser Leu Glu Thr Tyr	35	40	45
Ile Asn Ser Lys Tyr Ala Asp Thr Ile Lys Ser Phe Glu Lys Leu Lys	50	55	60
Tyr Leu Asp Ile Asp Asn Ser Glu Leu Val Asn Thr Trp Ile Met Cys	65	70	75
Phe Asn Gln Val Lys Arg Phe His Pro Gln Val Phe Asp Ala Phe Met	85	90	95
Glu Ala Glu Asn Glu Asp Glu Ile Gly Ile Glu Lys Ile Gln Tyr Thr	100	105	110
Pro Tyr Thr Gly Lys His Leu Asn Asp Met Ile Arg Ile Phe Tyr Met	115	120	125
Lys Ile Ser Glu Leu Ile Glu Arg Lys Val Ser Pro Asn Val Ser Arg	130	135	140
Glu Met Asn Asp Gly Gln Pro Gln Phe Val Pro Asn Leu Phe Lys Lys	145	150	155
Val Tyr Glu Met Ile Ile Ser Lys Pro Asp Val Ser Ala Ala Glu Arg	165	170	175
Ile Gly Lys Ala Leu Phe Lys Leu Gln Ser Lys Ser Arg Glu Leu Glu	180	185	190
Arg Glu Ser Ala Phe Leu Leu Cys Gln His Leu Met Thr Asn Asp His	195	200	205
Gln His Asp Asp Ile Ile Leu Lys Phe Leu Val Ser Gly Val Ser Pro	210	215	220
Trp Tyr Leu His Ser Gln Ile Tyr Met Ser Ser Tyr Lys Leu Gly Phe	225	230	235
Ser Asn Leu Phe Leu Glu Ile Tyr Ala Gln His Tyr Glu Leu Tyr Lys	245	250	255
Ala Asp Pro Ile Tyr Lys Leu Pro Asp Ser Met Thr Leu Leu Asn Glu	260	265	270
Ile Arg Ser Asn Arg Asp Tyr Pro Lys Val Val Asn Ala Ala Lys Asn	275	280	285
Thr Val Gln Val Asn Asn Val Ser Ser Lys Asn Asn Lys Lys Lys Asp	290	295	300
Glu			

305

<210> 141
<211> 155
<212> PRT
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 141

Ser Glu Ile Asn Ala Thr Ser Thr Tyr His Glu Ile Gly Asp Thr Asn
1 5 10 15

Lys Asn Lys Glu Gln Leu Ile Leu Asn Leu Lys Asn His Thr Lys Leu
20 25 30

Ser Glu Gln Lys Lys Lys Thr Asn Leu Leu Val Tyr Asp Ser Gly Ala
35 40 45

Thr Val Ser Val Val Asn Asp Lys Thr Leu Leu Asn Asp Ile Lys Glu
50 55 60

Ser Asn Ile Glu Ile Ala Thr Ala Glu Gly Glu Thr Ser Thr Ala Tyr
65 70 75 80

Ala Leu Gly Thr Leu Thr Ile Ser Val Asn Gly Leu Asn Ala Lys Leu
85 90 95

Asp Gly Val Leu Tyr Leu Pro Ser Ile Gln Leu Asn Leu Ile Ser Ile
100 105 110

Lys Gln Phe Glu Asp Leu Cys Tyr Ala Ile Leu Ile Ser Glu Asn Leu
115 120 125

Met Cys Leu Val His Ser Asp His Gly Pro Thr Val Ile Ala Lys Tyr
130 135 140

Ser Pro Lys Asp Asp Leu Tyr Ser Gly Pro Arg
145 150 155

<210> 142
<211> 795
<212> PRT
<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 142

Met Thr Asn Lys Val Glu Arg Val Thr Tyr Val Ser Ile Arg Asn Ile
1 5 10 15

Lys Gln Glu Val Ala Asp Lys Tyr Met Ile Lys Asp Leu Tyr Tyr Tyr
20 25 30

His Leu Leu Ile Asn His Leu Ser His Glu Lys Leu Gln Leu Leu Val
 35 40 45
 Lys Arg Gly Val Ile Lys Pro Val Lys Ser Thr Ser Ala Glu Ser Ala
 50 55 60
 Ile Leu Asn Cys Gln Ile Cys Val Ala Ala His Ala Lys Leu Ala Ser
 65 70 75 80
 His Asn His Thr Gln Gln Arg Glu Leu Glu Arg Pro Leu Gln Arg Leu
 85 90 95
 His Leu Asp Thr Ala Gly Pro Phe Thr Ser Asn Lys Thr Lys Ser Tyr
 100 105 110
 Leu Thr Thr Val Ile Asp Gln Phe Ser Arg Tyr Thr Glu Val Ile Val
 115 120 125
 Ser Asp Thr Lys Ala Val Lys Gln Ser Ile Leu His Arg Leu Arg Val
 130 135 140
 Trp Asn Asn Arg Phe Gln Phe Lys Ile Ala Glu Ile Arg Tyr Asp Asn
 145 150 155 160
 Ala Leu Glu Tyr Pro Ser Ala Glu Glu Leu Glu Glu Leu Gly Ile Tyr
 165 170 175
 Lys His Leu Leu Pro Asn Tyr Ser Pro Met Leu Asn Gly Thr Ala Glu
 180 185 190
 Ala Thr Asn Arg Pro Ile Val Gln Gly Ile Tyr Lys Val Val Leu Asn
 195 200 205
 Phe Ser Cys Gln Val Leu Ile Leu Phe Pro Phe Ile Val Glu Tyr Ala
 210 215 220
 Val His Ile Arg Asn His Thr Pro Ile Lys Glu Phe Asp Gly Ala Thr
 225 230 235 240
 Pro Tyr Glu Arg Tyr Tyr Gly Leu Ser Lys Tyr Val Ile Pro Phe Phe
 245 250 255
 Gln Phe Gly Thr Asp Val Leu Ile Lys Cys Ala Ser Val Gln Glu Ala
 260 265 270
 Ile Ser Leu Lys Leu Pro Ser Ser Arg Asp Lys Ala Phe Pro Thr Val
 275 280 285
 Met Phe Gly Ala Phe Leu Gly Tyr Gly Ser Asp Ser Phe Thr Phe Arg
 290 295 300
 Val Leu Val Ser Thr Lys Gly Tyr Pro Val Ile Thr Thr Ser Asn Ile
 305 310 315 320
 Arg Pro Ile Ala Thr Met Gln Val Leu Asn Asp Tyr Leu Ala Tyr Ile
 325 330 335

Ser Glu Asn Ser Ser Ile Ser Tyr Asp Asp Thr Phe Leu Ser Pro Leu
 340 345 350
 Asn His Pro Met Ile Arg Thr Asn Gln His Asp Arg Arg Gly Asp Asn
 355 360 365
 Ile Asn Val Glu Tyr Glu Asn Arg Pro Asn Val Pro Phe Glu Tyr His
 370 375 380
 Ala Glu Pro Pro Arg Thr Asn Ser Ser Thr Gly Ile Ile Asp Arg Pro
 385 390 395 400
 Asp Ile Arg Pro Arg Ala Asp Pro Thr Trp Gln Arg Met Pro Asp Ala
 405 410 415
 Asn Ile His Gln Glu Thr Thr Thr Val Gln Thr Pro Asp His Gly Glu
 420 425 430
 Leu Asp Thr Met Ile Asn Asn Glu His Gln Leu Pro Arg Ser Gly Glu
 435 440 445
 Gly Asn Tyr Pro Gly Gln Gln Val Arg Thr Asp Ile Ile Gly Gln Phe
 450 455 460
 Arg Asp Arg Gly Pro Thr Thr Leu Asn Thr Pro Ile Asp Leu Gly Val
 465 470 475 480
 Pro Asp Glu Thr Asp Asp Ile Ser Met Thr Ser Glu Asn Pro Ile Asp
 485 490 495
 Ser Pro Asn Ser Glu Met Ile Ile Ser Pro Ser Leu Pro Thr Asn Glu
 500 505 510
 Leu Glu His Gln Ile Asp Ile Ser Ser Gly Glu Met Ser Leu Leu Gln
 515 520 525
 Thr Asn Met Glu Ala Asp Asn Glu Leu Lys Thr Asn Glu Met Val Leu
 530 535 540
 Tyr Lys Ser Lys Asn Asp Gly Ile Ile Ile Gln Gln Gln Gln Phe Thr
 545 550 555 560
 Glu Asn Leu Ser Asp Glu Asn Glu Glu Asp Ser Ser Thr Asp Glu Glu
 565 570 575
 Thr Leu Glu Asp Lys Lys Gln Gln Arg Leu Glu Tyr Asn Ile Ser Pro
 580 585 590
 Asn Asp Glu Trp Ile Asn Asn Asp Val Gln Asn Glu Asp Asp Thr Gln
 595 600 605
 Val Pro His Val Lys Glu Pro Ile Asn Tyr Glu Thr Gln Ser Arg Asn
 610 615 620
 Glu Thr Asn Met Pro Arg Ile Glu Met Gly Ile Ile Glu Asn Leu Ser
 625 630 635 640

Asp Asp Gly Lys Asn Thr Pro Arg Glu Leu Arg Ile Val Thr Tyr Asp
645 650 655

Asn Asn Lys Glu Ile Glu Lys Tyr Gln Asp Ser Asn Ile Glu Ile Ser
660 665 670

Glu Pro Arg Asn Glu Asn Glu Asn Gln Thr Phe Ile Glu Ser Asn Leu
675 680 685

Glu Leu Leu Asp Asn Gln Glu Met Phe Gln Glu Asp Pro Gln Val Glu
690 695 700

Asp Ile Arg Leu Thr Thr Pro Lys Lys Asp Lys Ser Leu Ser Pro Asp
705 710 715 720

Phe Asn Gln Thr His Asn Glu Ile Gln Leu Phe Met Ala Asp Ile Asn
725 730 735

Glu Asp Met Leu Glu Glu Tyr Asp Glu Asn Ile Asn Met Asn Glu Val
740 745 750

Leu Ala Asp Ser Thr Glu Thr Leu Asp Lys Glu Leu Asp Leu Asp Glu
755 760 765

Glu Ser Gly Arg Ile Glu Tyr Ile Ala Asp Arg Val Arg Lys Lys Thr
770 775 780

Glu Val Ser Met Val Arg His Thr Gly Asn Ile
785 790 795

<210> 143

<211> 257

<212> PRT

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 143

Met Asp Asp Glu Val Gly Ile Ala Ile Ser Lys Ile Arg Asn Phe Pro
1 5 10 15

Phe Arg Leu Lys Asp Gly Arg Ala Ser Phe Phe Pro Pro Tyr Lys Thr
20 25 30

Lys Phe Gly Arg Ser Val His Pro Pro Lys Arg Tyr Leu Asn Ala Ile
35 40 45

Val Lys Lys Ile Asp Tyr Asn Gln Lys Glu Trp Arg Gln Ser Met Glu
50 55 60

Glu Glu Ile Glu Lys Phe Lys Ala Asn Gln Val Tyr Thr Val Glu Lys
65 70 75 80

Thr Pro Lys Asn Val Val Pro Leu Lys Thr Met Trp Val His Thr Tyr

85

90

95

Lys Thr Asn Asp Leu Lys Asn His Asn Tyr Lys Ser Arg Cys Val Val
 100 105 110
 Met Gly Asn Tyr Met Val Glu Asn Arg Asp Phe Asp Pro His Ala Ile
 115 120 125
 Ser Ser Pro Val Val Asp Leu Thr Ser Ile Arg Leu Leu Ser Ala Ile
 130 135 140
 Ala Val Glu Asn Asn Leu Val Met His Gln Leu Asp Ile Ala Ser Ala
 145 150 155 160
 Tyr Leu Asn Ala Ser Leu Glu Asp Gly Arg Val Ile Phe Val Arg Pro
 165 170 175
 Pro Arg Gly Phe Glu Val Lys Pro Gly Tyr Ser Trp Arg Leu His Lys
 180 185 190
 Ser Val Tyr Gly Leu Arg Gln Ser Ala His Asn Trp Tyr Ser His Phe
 195 200 205
 Lys Asn Val Leu Glu Ala Asn Gly Leu Lys Gln Thr Leu His Asn Asp
 210 215 220
 Gly Ile Phe Trp Lys Asn Tyr Glu Asn Gly Asp Val Leu Tyr Val Ser
 225 230 235 240
 Val Tyr Val Asp Asp Val Phe Ile Lys Ala Asn Ser Met Ser Leu Cys
 245 250 255

Asn

<210> 144

<211> 3159

<212> DNA

<213> Unknown

<220>

<223> sequence of retrotransposon from unknown organism

<400> 144

aatctgtcca cctcgttttg agaggttctc aaaattcttt gtaattttca aacttcacct 60
 ttggctttgt aaagttgggt ttttaaggaa tagctttgat tatttgacat tgcaaacagt 120
 atagtcaaga tgcacacaga ttggacctga aattattcct tcgcaaaaac ttaaaataac 180
 ccaaataatta aacatccact cggattcaaa tacctcagca ctcttttata ggcacttgta 240
 taatttggtta tatgaatcat ttccagcttc cttgtagaac cgccaaatat ttgaatcaca 300
 tgggaaacag atttgaccat ctaactttca tggttcttat gaaaaagatc tggaaatggt 360
 gatatagctt gattgtctag catattcagc gattacccta ttttgtggtt gcctgggata 420

acccctggct gttgttgga aagactcgtg acaagtattt ttgccacga gtttctaatt	480
actgcgatat tatccagtta cattttcgca actcgttcta cttgagctcc ttctatgaat	540
caactagctg gctattttccc tggatagaaa accttcattc ttcttctcct ggttgagtat	600
caccgacttg tggccgtacc gttcaacccc ctacaataca ccatcaactt tatacttgta	660
atactcggct ttgccactcc ccaaactaac cactataagt tcatactcct tggcttgctt	720
gactttccta tttcttaacc cactactctt ctgtaccact ccgatcatca gattgacaga	780
ggttacttca taccoaaca cattttcata ccagtcgacc ttctcctctg caccacaaaa	840
cccaacacat cggatttccc tgggatctct ctcaactctc aaacatattg ctttcttctc	900
tacctgaac gtgtgcacca ctaccacccc ttctatctca tataccacac tgaacgatga	960
gatgcgagca ctcccacaaa accgacaatg cagcggctca ggatacgaca ccctcaacga	1020
gttcaccttc atattcccga ccccaaacag tttgatgacc acccccggtg tcacatctat	1080
aagctgacac tctaaccgt caacacgtat aaagaacccc acaaactcaa ccggaaatat	1140
cccacacagt ttcaggggcg ccacctctag ctttctgctc ttcattgctg tgttgacgat	1200
gttcaccaca ataatatcca actccttcgt ctgcacaaca attctatcca tcaccttgg	1260
tgttcttctc tttattgcac agaccaactg ctgcttcaca tcataactct gtactttccc	1320
atcattacac gacacaaca gtatctcccc actatccatg accatcaca actcttcct	1380
actagtcctc tcacgctggt tctgtccaaa cgatttcac tgtattggtg gcggaaagt	1440
cgcattgatc agcgaattta ccgacgacat tgacgcatca ctgcccctcc tctttcta	1500
cattttacgt gctaaaaacc ccggcacagt tctccgctg aaaaacgact ccaacacttt	1560
acctcgaaag tgcaccgaca gtgtccactt caactcccgc ttgtcataac cctgatgac	1620
acctgtcta gtactacca acacaacct actcccatca tcattgagcc ccacatggct	1680
gaccggccac atctgacagg gtatggctag tgggttcagg tcgtaacagt actcgacac	1740
ttggggttgg tagtgatata tctgaactcg tatccatcat ataactcttc tctcagcaa	1800
actcaatggc ctggggtttt gcgggaacca ctagtgaac caccaacaag aggtactcca	1860
catagtaaat gtacgtgtta gactgggaaa caaccacact ggtttggtcg actcagcacg	1920
ctattcatca acaatacccc caacagaatc accaagttat ttgtcagcct cagtttgtac	1980
ttccaccact gacccacca ccgcatagtt caccaaaagg gtcttgcata atccacgtcc	2040
caccatatca cttcaactcc catattctc gatgcaagaa taaccacaat aatcggttt	2100

cgtaaacgtc gtcagtggct caaacacatt gctgcacctt gagctctaga acaaccccac	2160
actcactagc catcgccaca ccaacaacca aattgctgat ccagaaaaaa taccaccccc	2220
gtagtccggc ttgtatggaa taattgcttg gccaggtacg tccccacctc atcgtgtctt	2280
ttctggttga aatatgtcat ctcccgggct aacagtaccg tatctctgtg gctggggcat	2340
ctatactctt tcattctcgg cttacaaatc tatcttggtc acacatttca tatactctggg	2400
acttgctgaa ctctctgcac tctatcataa actggaactc gcttgcatc tgggacacac	2460
actggagctg gaatccatgg tcaggaaatg tgaaaatttt cttctcggga aatatttggtg	2520
acaattagtc ctagtacacg atagtttcat tacgcccact aaaagtgctc actgaaactc	2580
ggtctctata tegtcaatat ctttcatttc tcttctggc ttttactgc gacttattgt	2640
tcgctatagg gtaggtcttc caagctaatt ttacccgaca caagatgaaa tattttctgt	2700
tgagcactcg ttgtcgacag tgaaaaattt tcaactcaaga aaatattttc atcatcactt	2760
tttctagaaa ggagggttcaa gtgttgaggaga atagacagcg aacacctgat attcccaagg	2820
togaattaga ttgaaagata aataatagtc atattttattt tgtatttagt caataaatta	2880
tctttttata tttaaattct tagtattgtc ataccacgta gattgatacg gacatactta	2940
gcacatttaa catatattaa gcaccgatta cctgtgacat tccgaagttt actgtttcgc	3000
gcacgctggc agacgaacac ttatcaagggt gctactcccg cgcacagtt tctctgggt	3060
tctctttttg atcttggtga actacctttt tttcccactc gcgtgagaag ttcaacactt	3120
ttttttaccc atccaccaa ctttattctt ttccccacc	3159

<210> 145
 <211> 280
 <212> DNA
 <213> Candida albicans

<300>
 <308> AF007776
 <309> 1997-11-21
 <313> (1)..(280)

<400> 145	
tggtggtttg tgcactatth tgtgtcagaa actgatcaat gaaaatgatg gttattatga	60
gaatggaaaa tttttccatc acacatcagg tgatgacaga actaaactat attgtgtagt	120
ataaataagg gtatgaaata ccaacatccc agaatatcaa cgagatagaa gggaggagtt	180
tcaatatata tcttgtgaat aataacttcg ttctaattca ctatacacia ctagacgtgt	240
acacgctcaa tctcaggtaa agaaagttha tattccatca	280

<210> 146
<211> 11
<212> DNA
<213> Candida albicans

<400> 146
gattagaagt c

11

<210> 147
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(23)
<223> primer

<400> 147
gatacaaaat gcattaacgg cag

23

<210> 148
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(23)
<223> primer

<400> 148
ctgccgttaa tgcattttgt atc

23

<210> 149
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(33)
<223> primer

<400> 149
cgacggctgc agttcttcaa tgatgatttc aac

33

<210> 150

<211> 32
<212> DNA
<213> Artificial Sequence

<400> 150
cgacggctgc agccttcaca tttataattg gc

32

<210> 151
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(31)
<223> primer

<400> 151
gcgagatcta gatatgacag tcaacactaa g

31

<210> 152
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(32)
<223> primer

<400> 152
cgacgcctgc aggtgatgga atataaactt tc

32

<210> 153
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(25)
<223> primer

<400> 153
agtgagctct gttggtttgt gcact

25

<210> 154
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(23)
<223> primer

<400> 154
gcgtctagaa attctgtacc ttc

23

<210> 155
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(24)
<223> primer

<400> 155
gcgtctagaa cattccagtg aagt

24

<210> 156
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)..(18)
<223> primer

<400> 156
tctaagctac caaagcac

18